

CMK

ICABLE

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ABOUT US

Starting Point

CMK Cable has been one of the leading companies that have been directing the sector on low voltage cables, mostly exports since its establishment in 2006. CMK Cable is founded by Mustafa ÇARKIT as a domestic capital with an area of 16.000 m2 in Denizli, Turkey.

Excellent Manufacturing

The production facility is equipped with Advanced Technology machines and automation systems to prevent production errors in machine lines and to achieve flawless production. The number of machines has increased so far by evaluating customer demands, especially European market demands. CMK Cable currently has a copper process capacity of 25.000 tons per year. CMK Cable also owns a PVC granule production facility that provides rapid growth in R&D in order to improve the quality of PVC plastic. New product research and development studies, new technology, and machinery investments continue in the laboratory with state-of-the-art equipment.

Products

CMK Cable products are consisting of low voltage cables (0,6-1 kV) which are PVC insulated cables, flame retardant cables that are insulated by LSZH compound and polyethylene, solar power cables, UV (Ultraviolet) resistant cables, control cables, oil, and hydrocarbon resistant Cables and EV (electrical vehicle) charging cables.

Growing Sales

According to the datum of TİM (Turkey Exporters Assembly) for 2021, CMK Cable achieved to be 588th in export sales in Turkey among the whole exporting companies and according to datum of ISO (Istanbul Chamber of Industry) CMK Cable was the 409th in whole sales among the second-500 industry foundations of Turkey. CMK Cable exports to 7 continents and 25 countries in the world.

Approval of Supplier

CMK Cable follows our suppliers' quality and performance to produce quality cables and receive them on time. We buy high-quality products with proven documents and use only raw materials tested by our quality department in our product lines.

Qualified Personnel

CMK Cable personnel are fully experienced in their work. They are aware of our mission and visions and apply these values in their work. All departments work in coordination with each other. After being tested by the quality control laboratory, the semi-finished and finished products entering the production area are taken to the stock house. The cables that are ready for sale are delivered with the relevant orders from the stock. In order to achieve high quality in low voltage, we apply the latest technological tools in our factory.

Always Best Quality

CMK Cable has two system certifications which are ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) and has products approvals from 8 very-well known standard foundations which are TSE-HAR- BASEC- VDE- SII-TUV NORD-UL-CSA with over 100 product approvals. CMK Cables declares CPR-CE-UKCA-REACH-ROHS documents for relative products. The transition system to UKCA, which will be carried out as of January 2023 is completed in CMK cable by providing necessary certificate transitions quickly to ensure that our cables have the UKCA certificate along with CE.CMK KABLO has become a proudly remembered brand without compromising not only the company value but also the quality of our products. CMK Cable knows that Quality Management is the most important value, it has applied this concept to our business.

R&D Studies

CMK Cable follows the technological developments closely and the necessary R&D studies to apply the latest technologies in our factory.



QUALITY POLICIES

QUALITY

CMK Cable Quality Management System is in accordance with ISO 9001 and PCR.

OUR QUALITY POLICY

CMK Cable produces high-quality products at competitive prices and ensures consistency in both quality and competitiveness in all situations by seizing good opportunities in the business world to ensure continuous customer appreciation.

Our Quality Aim;

- To produce products that fully comply with standards, taking into account customer preferences and regulations.
- To focus on constant customer satisfaction and increasing our share in both domestic and international markets.
- To maximize production quantities by minimizing the use of our resources. Obtaining minimum scrap and waste rates.
- To provide continuous improvement in all resources; human, machine, quality, facility, equipment, and time.
- Provide a consistent Quality Management System in accordance with ISO 9001 and PCR.
- To work with Qualified Staff and Employees and mentor them to develop themselves.
- To be aware of any change in all interested parties and be updated at all times.

ENVIRONMENT

- CMK Cable's Environmental Management System is certified with in accordance to ISO 14001:2004.

OUR ENVIRONMENTAL POLICY

- To be fully compliant with environmental regulations, administrative regulations, and legal activities.
- To keep environmental pollution under control, starting from the supply chain to the shipment of goods.
- Aiming to use raw materials most efficiently, minimizing waste and supporting recycling.
- To raise environmental awareness of all our employees and to inform them of updates on the environment.
- Taking necessary precautions to avoid environmental pollution and to minimize noise pollution along with other negative environmental effects



OUR DOCUMENTS

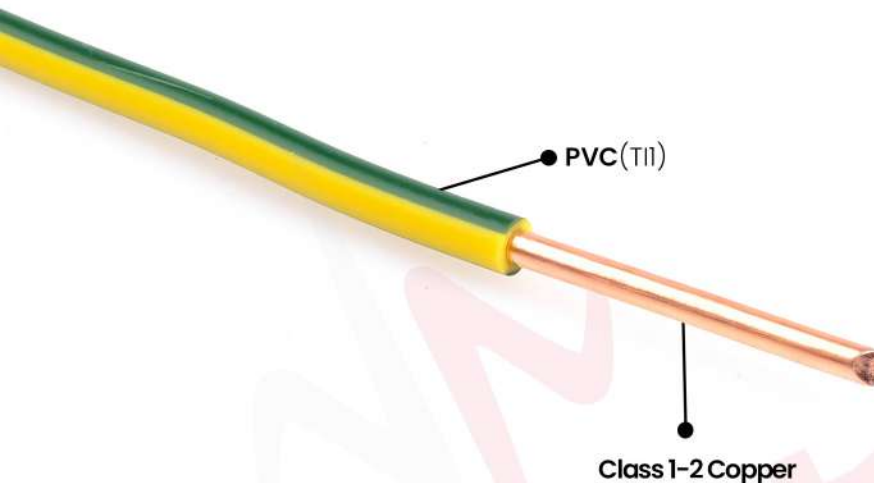


PRODUCTION FACILITY



H05V-U / H07V-U / H07V-R

PVC INSULATED SINGLE CORE INSTALLATION CABLES



TYPE: H05V-U / H07V-U / H07V-R

STANDARDS: BS EN 50525-2-3:2011

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage:

H05V-U (300/500V), H07V-U/R (450/750V)

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228 Class 1-2 Copper

INSULATION

PVC (TII)

APPROVALS:



H05V-U / H07V-U / H07V-R

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05V-U				
0.50	2.0	13	36.0	8
0.75	2.2	16	24.5	10
1	2.4	19	18.1	14
H07V-U				
1.5	2.8	16	12.1	19
2.5	3.4	21	7.41	30
4	3.8	27	4.61	45
6	4.3	35	3.08	63
H07V-R				
1.5	3	16	12.1	21
2.5	3.6	21	7.41	33
4	4.1	27	4.61	48
6	4.7	35	3.08	65
10	5.9	48	1.83	105
16	7	65	1.15	160
25	8.4	85	0.727	260
35	9.4	110	0.524	350
50	11	140	0.387	470
70	12.6	175	0.268	675
95	14.9	205	0.193	910
120	16.1	235	0.153	1150
150	18	260	0.124	1415
185	19.9	283	0.0991	1752
240	23	337	0.0754	2320

APPLICATION

It is suitable for use in dry and damp places, fixed lighting installations, pipes. It is suitable for use on fixed plaster and under plaster in structures without the risk of mechanical damage. Due to its structure, it is not suitable for laying under the ground.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

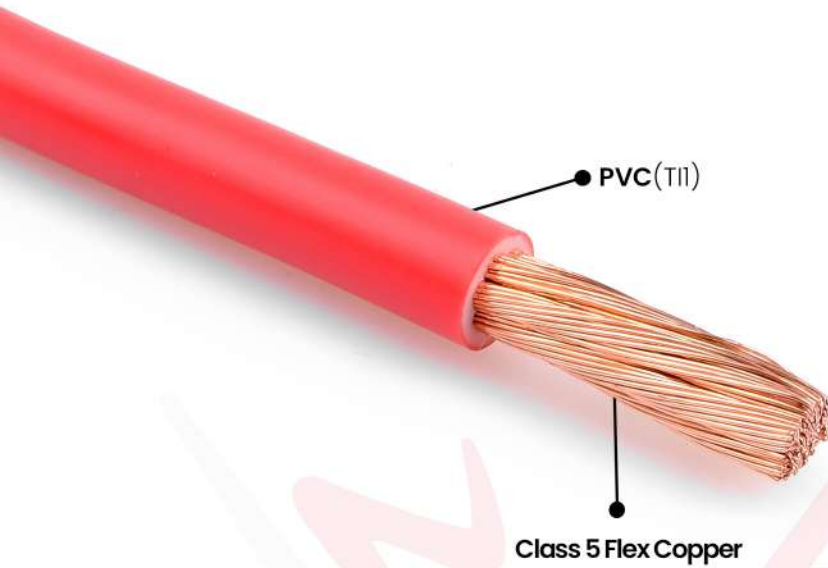


CORE IDENTIFICATION

Core Color: Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink

H05V-K / H07V-K

PVC INSULATED, FLEXIBLE SINGLE CORE CABLES



TYPE: H05V-K / H07V-K

STANDARDS: EN 50525-2-31:2011

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage:

300/500V (H05V-K) 450/750V (H07V-K)

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 5 Flex Copper

INSULATION

PVC (TII)

APPROVALS:



H05V-K / H07V-K

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05V-K				
0.50	2.2	12	39	9
0.75	2.3	15	26	12
1	2.4	19	19.5	14
H07V-K				
1.5	2.9	24	13.3	20
2.5	3.6	32	7.98	30
4	4.2	42	4.95	46
6	4.8	54	3.3	63
10	6.3	73	1.91	118
16	7.2	98	1.21	180
25	9.0	129	0.78	270
35	10.9	158	0.554	370
50	12.4	198	0.386	510
70	14.5	245	0.272	750
95	17.2	292	0.206	1030
120	18.5	344	0.161	1200
150	20.3	391	0.129	1400
185	23.3	448	0.106	1847
240	26.6	528	0.0801	2441

APPLICATION

PVC cables are suitable for use in dry and non-humid places, inside pipes, under plaster and on surface. Due to its flexibility, it is also suitable for use on moving devices.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Core Color: Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink, Purple, Yellow, Green

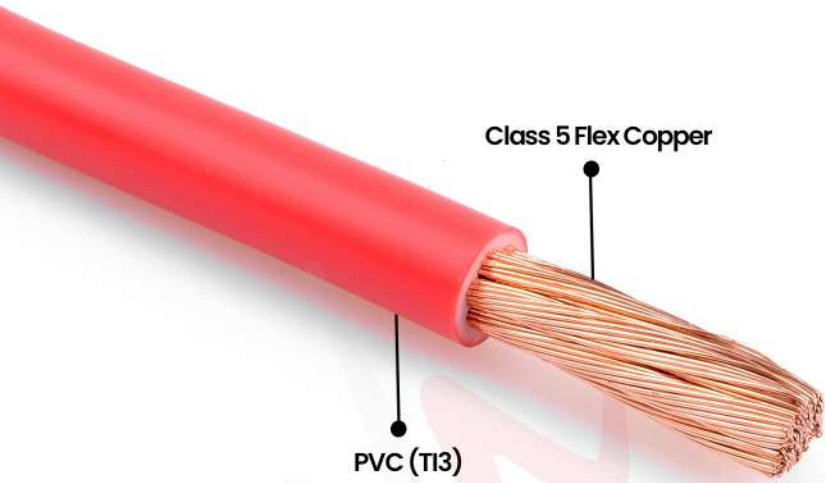
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H05V2-K / H07V2-K

PVC INSULATED HEAT RESISTANT FLEXIBLE SINGLE CORE CABLES



TYPE: H05V2-K / H07V2-K

STANDARDS: EN 50525-2-3:2011

TECHNICAL DATA:

Max. Operating Temperature: -15 to +90°C

Rated Voltage: "H05V2-K (300 / 500 V)
H07V2-K (450 / 750 V)"

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

BS EN 60228 Class 5 Flex Copper

INSULATION : PVC (T13)

H05V2-K / H07V2-K

SIZE (mm²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05V2-K				
1x0.5	2.1	12	39	9
1x0.75	2.3	18	26	12
1x1	2.5	22	19.5	15
H07V2-K				
1x1.5	3	26	13.3	21
1x2.5	3.5	35	7.98	32
1x4	4	46	4.95	45
1x6	4.6	59	3.3	65
1x10	6.2	80	1.91	115
1x16	7.3	80	1.21	175
1x25	8.9	108	0.78	270
1x35	9.9	142	0.544	350
1x50	11.1	174	0.386	525
1x70	13.4	218	0.272	700
1x95	15	270	0.206	900
1x120	17.5	321	0.161	1200
1x150	19.5	378	0.129	1500
1x185	22	430	0.106	1850
1x240	23.3	493	0.0801	2240

APPLICATION

Suitable for use in power current installation switch cabinets, motors and transformers, which are subject to direct contact with high temperatures, also suitable for inside wiring of electrical equipments such as lighting and heating apparatus.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Core Color: White, Red, Green, Yellow, Brown, Blue, Green/ Yellow



H07Z-U / H07Z-R

HALOGEN FREE CROSSLINK INSULATED, SINGLE CORE CABLES

XL-HFFR (EI5)

Class 1-2 Copper



TYPE: H07Z-U / H07Z-R

STANDARDS: BS EN 50525-3-4:2011

TECHNICAL DATA:

Max. Operating Temperature: +90 °C

Rated Voltage: 450/750 V

Declared Performance:

Dca-sla,dI,aI (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

BS EN 60228 Class 1-2 Copper

INSULATION : XL-HFFR (EI5)

APPROVALS:



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H07Z-U / H07Z-R

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H07Z-U				
1.5	2.8	24	12.1	19
2.5	3.4	32	7.41	30
4	3.8	42	4.61	47
6	4.3	54	3.08	65
H07Z-R				
1.5	3	24	12.1	22
2.5	3.6	32	7.41	33
4	4.1	42	4.61	43
6	4.7	54	3.08	69
10	5.9	73	1.83	114
16	7	98	1.15	169
25	8.9	129	0.727	269
35	9.6	158	0.524	363
50	11.1	198	0.387	471
70	12.5	243	0.268	660
95	15	288	0.193	907
120	16.5	346	0.153	1164
150	18	390	0.124	1413
185	20.1	448	0.0991	1740
240	23.2	528	0.0754	2290

APPLICATION

It is suitable for use in dry and humid areas, inside panels, fixed lighting installations, pipes. It is suitable for fixed flush and flush mounted use in buildings where there is no risk of mechanical damage. Provides durability up to +90 degrees.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Core Color: Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink

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H07Z1-U / H07Z1-R

HALOGEN FREE INSULATED SINGLE CORE CABLES

TI7 (HFFR)

Class 1-2 Copper



TYPE: H07Z1-U / H07Z1-R

STANDARDS: TS EN 50525-3-31:2011

TECHNICAL DATA:

Max. Operating Temperature: + 70 °C

Rated Voltage: 450/750 V

Declared Performance:

Dca-sla,dla (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : TS EN 60228 Class 1-2 Copper

INSULATION : TI7 (HFFR)

APPROVALS:



H07Z1-U / H07Z1-R

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H07Z1-U				
1.5	2.8	24	12.1	19
2.5	3.4	32	7.41	30
4	3.8	42	4.61	45
6	4.3	54	3.08	63
H07Z1-R				
1.5	3	24	12.1	22
2.5	3.6	32	7.41	33
4	4.1	42	4.61	48
6	4.7	54	3.08	69
10	5.9	73	1.83	109
16	7	98	1.15	165
25	8.9	129	0.727	269
35	9.6	158	0.524	345
50	11.1	203	0.387	480
70	12.5	245	0.268	681
95	14.6	292	0.193	912
120	16	344	0.153	1147
150	17.8	391	0.124	1423
185	20	448	0.0991	1740
240	23	528	0.0754	2300

APPLICATION

It is suitable for use in refineries, hotels, schools, tunnels, high-rise buildings, hospitals, data processing centers and business centers where people are concentrated, and in fire-sensitive areas. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

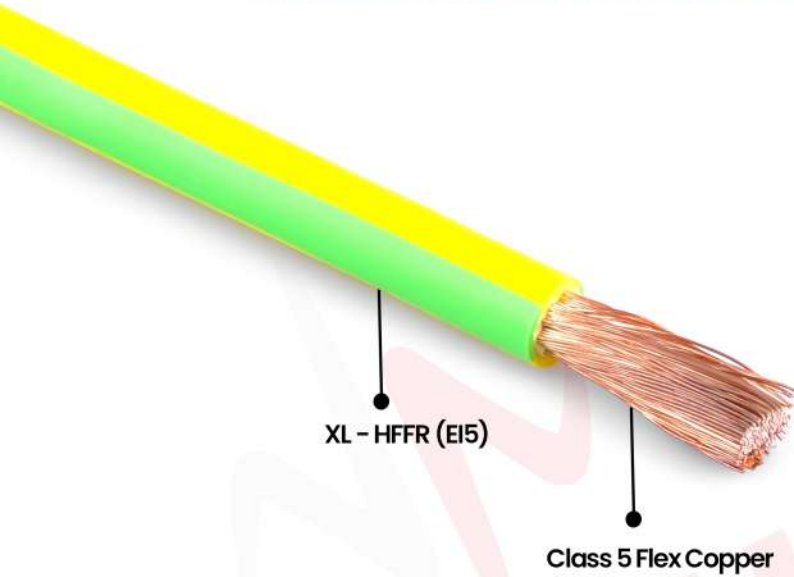


CORE IDENTIFICATION

Core Color: Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink

H05Z-K / H07Z-K

HALOGEN FREE CROSSLINK INSULATED, SINGLE CORE FLEXIBLE CABLES



TYPE: H05Z-K / H07Z-K

STANDARDS: BS EN 50525-3-41:2011

TECHNICAL DATA:

Max. Operating Temperature: +90°C

Rated Voltage:

300/500 V (H05Z-K) 450/750 (H07Z-K)

Declared Performance:

Dca - s1a,d1,a1 (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : BS EN 60228 CLASS 5 FLEX COPPER

INSULATION : XL- HFFR (EI5)

H05Z-K / H07Z-K

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05Z-K				
0.5	2.2	12	39	8
0.75	2.5	15	26	10
1	2.7	19	19.5	12
H07Z-K				
1.5	2.8	24	13.3	20
2.5	3.5	32	7.98	30
4	4.1	42	4.95	46
6	4.7	54	3.3	63
10	6.2	73	1.91	118
16	7.1	98	1.21	180
25	9.5	129	0.78	270
35	10.8	158	0.554	370
50	12.3	198	0.386	510
70	14.5	245	0.272	750
95	17.1	292	0.206	1030
120	19	344	0.161	1185
150	21	39	0.129	1430
185	23.1	448	0.106	1725
240	27.1	528	0.0801	2250

APPLICATION

It is suitable for use in household appliances, in panels, in closed and dry places where mechanical strain is low. Provides durability up to +90 degrees. Low smoke emission in case of fire.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



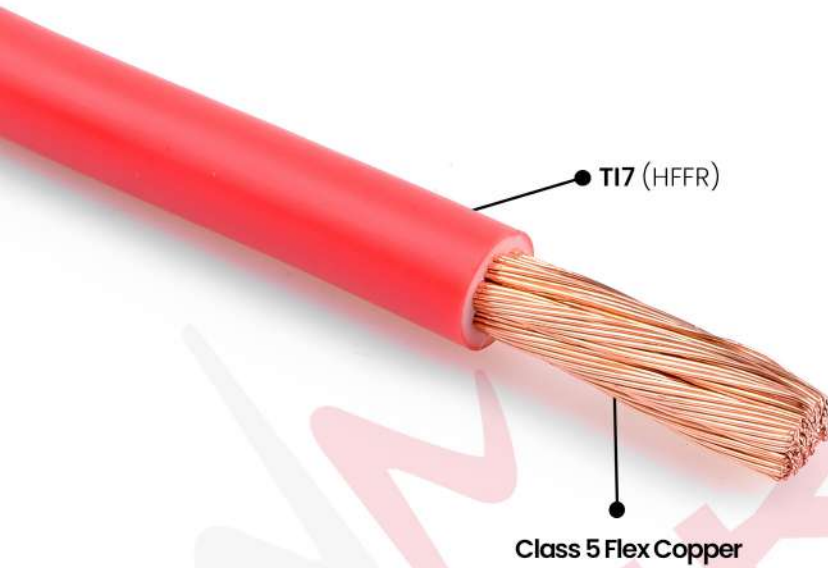
CORE IDENTIFICATION

Core Color : Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink, Purple



H05Z1-K / H07Z1-K

LOW SMOKE HALOGEN FREE FLEXIBLE SINGLE CORE CABLES



TYPE: H05Z1-K / H07Z1-K

STANDARDS: TS EN 50525-3-31

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage:

300/500 V (H05Z1-K) 450/750 V (H07Z1-K)

Declared Performance:

Dca-sla,d0,ai (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 5 Flex Copper

INSULATION

TI7 (HFFR)

APPROVALS:



H05Z1-K / H07Z1-K

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05Z1-K				
1x0.5	2.2	6	39	9
1x0.75	2.4	16	26	11,5
1x1	2.6	20	19.5	15
H07Z1-K				
1x1.5	3	24	13.3	23
1x2.5	3.6	32	7.98	35
1x4	4.2	42	4.95	50
1x6	4.7	54	3.3	71
1x10	6.7	73	1.91	119
1x16	8.1	98	1.21	178
1x25	9.6	128	0.78	275
1x35	11	158	0.554	375
1x50	13.5	197	0.386	535
1x70	15	244	0.272	730
1x95	17.5	293	0.206	900
1x120	19.4	345	0.161	1230
1x150	22.1	390	0.129	1500
1x185	24.2	448	0.106	1685
1x240	25.9	528	0.0801	2194

APPLICATION

It is suitable for use in hotels, schools, high-rise buildings, hospitals, data processing centers, business centers where people are concentrated and fire sensitive areas. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

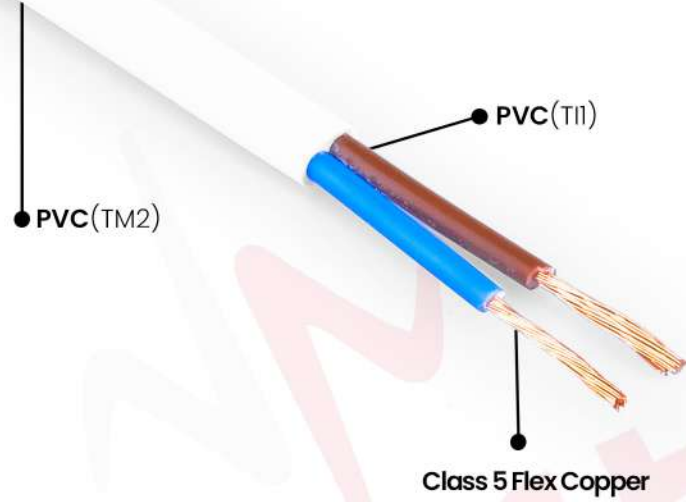


CORE IDENTIFICATION

Core Color: Black, Brown, Grey, Blue, Green/Yellow and all colors

H03VV-F / H03VVH2-F

PVC INSULATED AND SHEATHED FLEXIBLE CABLES



TYPE: H03VV-F / H03VVH2-F

STANDARDS: BS EN 50525-2-11:2011

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 300 / 300 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228 - Class 5 Flex Copper

INSULATION

PVC (T11)

SHEATH

PVC (TM2)

APPROVALS:



H03VV-F / H03VVH2-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
H03VV-F				
2 x 0.5	5.3	3	39	39
2 x 0.75	5.6	6	26	45
3 x 0.5	5.6	3	39	48
3 x 0.75	6.1	6	26	59
4 x 0.5	6.2	3	39	57
4 x 0.75	6.6	6	26	71
H03VVH2-F				
2 x 0.50	3.4 x 5.4	8	39	30
2 x 0.75	3.5 x 5.8	14	26	35

APPLICATION

It is suitable for use in closed and dry places where mechanical stresses are low, in household appliances, in steamy and humid environments.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown.
4 Cores: Green/Yellow, Brown, Black, Grey

Sheath Color: Black or White



PVC INSULATED AND SHEATHED FLEXIBLE CABLE

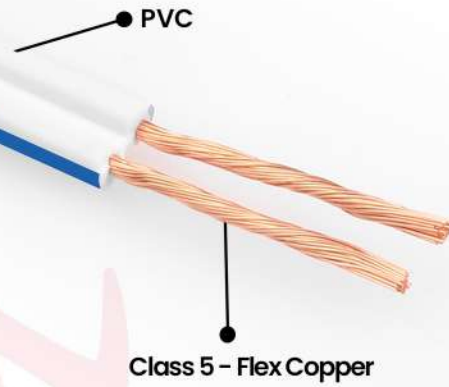


SHEATH : PVC (TM3)



Sheath Color: Black or White

FLAT CABLE FLEXIBLE TINSEL CORD



TYPE: A03VH-H

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 300 / 300 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 5 – Flex Copper

INSULATION

PVC



A03VH-H

[illegible]

APPLICATION

It is in flat form and suitable for use in moving devices used in dry and non-humid places where mechanical strain is low.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

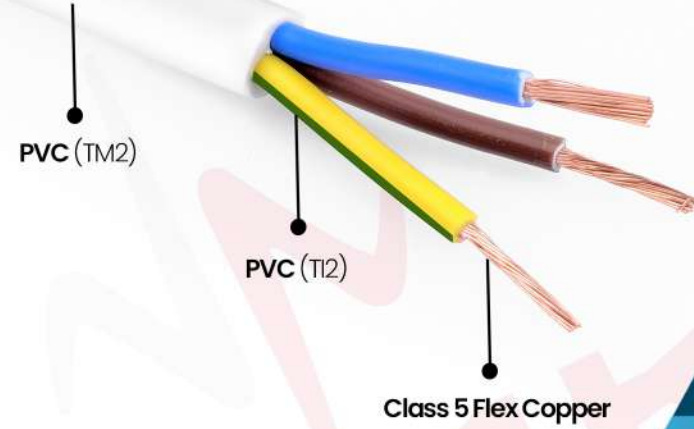


CORE IDENTIFICATION

Sheath Color: White or Black

H05VV-F

PVC INSULATED AND SHEATHED,
FLEXIBLE INSTALLATION CABLES



TYPE: H05VV-F

STANDARDS: BS EN 50525-2-11:2011

TECHNICAL DATA:

Max. Operating Temperature: + 70 °C

Rated Voltage: 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 5 Flex Copper

INSULATION : PVC (TI2)

SHEATH : PVC (TM2)

APPROVALS:



HARD



H05VV-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 0.75	6.3	13	26	58
2 x 1	6.7	16	19.5	68
2 x 1.5	7.5	20	13.3	86
2 x 2.5	9.3	27	7.98	132
2 x 4	10.8	34	4.95	182
3 x 0.75	6.5	13	26	69
3 x 1	7.1	16	19.5	78
3 x 1.5	8.2	20	13.3	105
3 x 2.5	10.1	27	7.98	161
3 x 4	11.2	34	4.95	230
4 x 0.75	7.0	13	26	82
4 x 1	7.9	16	19.5	101
4 x 1.5	9	20	13.3	121
4 x 2.5	10.7	27	7.98	203
4 x 4	12.2	34	4.95	270
5 x 0.75	7.9	13	26	103
5 x 1	8.4	16	19.5	119
5 x 1.5	10.2	20	13.3	166
5 x 2.5	12.4	27	7.98	255
5 x 4	14.1	34	4.95	365

APPLICATION

It is suitable for use in closed and dry places where mechanical strain are low, in household appliances, in steamy and humid environments.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores : Blue, Brown.
3 Cores : Green/Yellow, Blue, Brown.
4 Cores : Green/Yellow, Brown, Black, Grey, or Blue, Brown, Black, Green/Yellow
5 Cores : Green/Yellow, Blue, Brown, Black, Grey.

Sheath Color : White

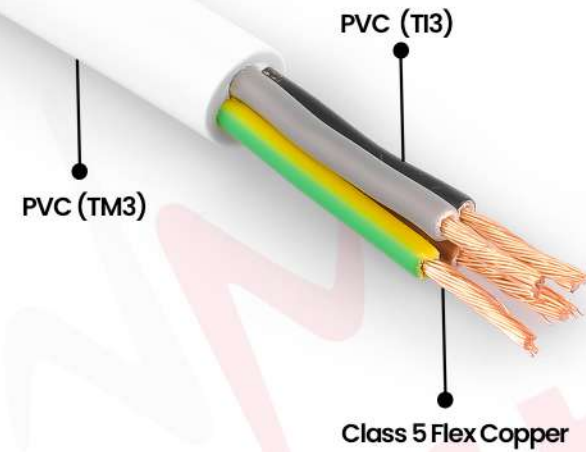
PVC INSULATED AND SHEATHED FLEXIBLE FLAT CABLES



Sheath Color : White or Black

H05V2V2-F

PVC INSULATED AND SHEATHED FLEXIBLE CABLE



TYPE: H05V2V2-F

STANDARDS: BS EN 50525-2-11:2011

TECHNICAL DATA:

Max. Operating Temperature: -5°C to +90°C

Rated Voltage: 300 / 500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to
IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : BS EN 60228, Class 5 Flex Copper

INSULATION : PVC (TI3)

SHEATH: PVC (TM3)

H05V2V2-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H05V2V2-F				
2 x 0.75	6.4	12	26	58
2 x 1	6.7	16	19.5	68
2 x 1.5	7.5	20	13.3	86
2 x 2.5	9.3	25	7.98	132
2 x 4	10.8	34	4.95	182
3 x 0.75	6.7	8	26	69
3 x 1	7.1	12	19.5	78
3 x 1.5	8.1	16	13.3	105
3 x 2.5	10.1	25	7.98	161
3 x 4	11.7	34	4.95	230
4 x 0.75	7.3	12	26	82
4 x 1	8.1	16	19.5	101
4 x 1.5	9	20	13.3	121
4 x 2.5	10.7	25	7.98	203
4 x 4	12.8	34	4.95	270
5 x 0.75	8.3	12	26	103
5 x 1	8.7	16	19.5	119
5 x 1.5	10.2	20	13.3	166
5 x 2.5	12	25	7.98	255
5 x 4	14.9	34	4.95	365

APPLICATION

It is suitable for use in closed and dry places where mechanical strain are low, in household appliances, in steamy and humid environments. Provides durability up to +90 degrees.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores : Blue, Brown
3 Cores : Green/Yellow, Blue, Brown
4 Cores : Green/Yellow, Brown, Black, Grey
5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color: Black or White

UK
CA
CE



30

+90 258 371 0030

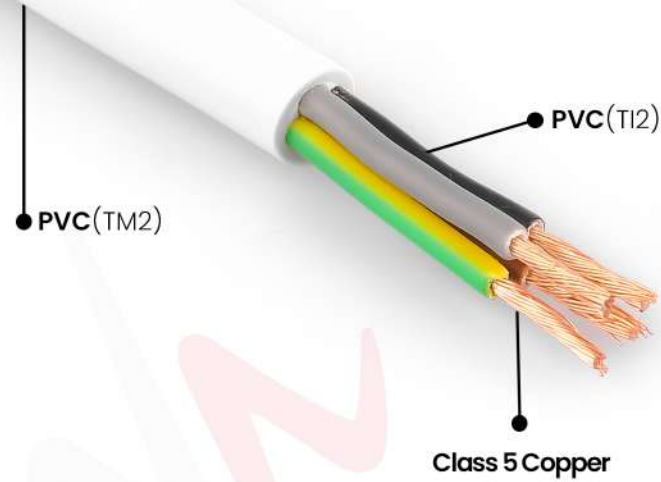
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A05VV-F

PVC INSULATED AND SHEATHED, FLEXIBLE INSTALLATION CABLES



TYPE: A05VV-F

STANDARDS: GEN TO EN 50525-2-11:2011

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 300 / 500V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228 Class 5 Copper

INSULATION

PVC (TI2)

SHEATH

PVC (TM2)

UK
CA CE



32

A05VV-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
A05VV-F				
2 x 6	12.2	51	3.3	240
2 x 10	15.5	70	1.91	410
2 x 16	17.3	94	1.21	611
3 x 6	12.9	43	3.3	315
3 x 10	16.6	59	1.91	540
3 x 16	18.5	79	1.21	810
3 x 16 +10	8.7	61	1.21 /1.91	1200
4 x 6	9.2	43	3.3	140
4 x 10	10.2	60	1.91	190
4 x 16	12.9	80	1.21	280
5 x 6	8.9	43	3.3	130
5 x 10	9.2	60	1.91	150
5 x 16	11.1	80	1.21	220
6 x 0.50	8.3	6	39	68
6 x 0.75	8.7	9	26	120
6 x 1	9.2	12	19.5	140
6 x 1.5	10.9	13.5	13.3	190
6 x 2.5	12.9	19.5	7.98	280
7 x 0.75	8.9	9	26	130
7 x 1	9.2	10	19.5	150
7 x 1.5	11.1	12	13.3	220
7 x 2.5	13.1	16.9	7.98	320

APPLICATION

It is used in closed and dry places where mechanical stresses exist, in household appliances, in steamy and humid environments.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Blue, Brown, Black, Grey
6 Cores: Green/Yellow, Blue, Brown, Black, Grey, Red
7 Cores: Blue, Brown, Black, Grey, Red, Yellow, White

Sheath Color: Black, White or Any Color

+90 258 371 0030

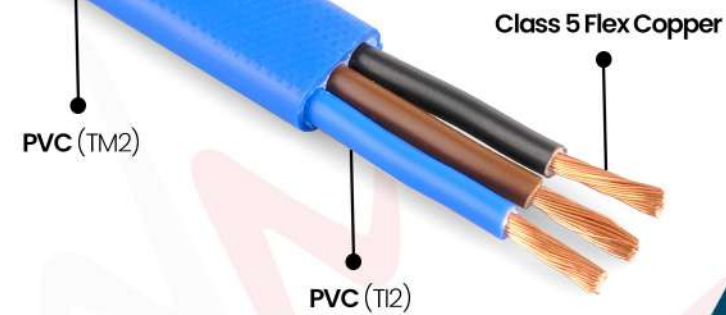
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H07VVH6-F / 60227 IEC 71f

FLAT LIFT AND SUBMERSIBLE PUMP CABLES



TYPE: H07VVH6-F / 60227 IEC 71f

STANDARDS: TS IEC 60227-6

TECHNICAL DATA:

Max. Operating Temperature: + 70 °C

Rated Voltage: 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 5 Flexible Copper

INSULATION: PVC (TI2)

SHEATH: PVC (TM2)

APPROVALS:



H07VVH6-F / 60227 IEC 71f

[illegible]

APPLICATION

It is used as a command and control cable in conveyor systems, lifting equipment, machines subject to bending, mobile systems such as cranes, escalators and belt systems, elevator and deep well submersible pumps.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

CORE IDENTIFICATION

3 Cores: Blue, Brown, Black
4 Cores: Blue, Brown, Black, Grey

Sheath Color : Blue or Black

318X A

[ARCTIC GRADE]
ORDINARY DUTY LOW TEMPERATURE PVC
INSULATED AND SHEATHED FLEXIBLE CABLE



PVC (Type10)

PVC (T14)

Class 5 Flexible Copper

TYPE: 318X A ARCTIC GRADE

STANDARDS: BS 6004:2012+A1:2020

TECHNICAL DATA:

Max. Operating Temperature: -40 °C to +70°C

Rated Voltage: 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228, Class 5 Flexible Copper

INSULATION

PVC (T14)

SHEATH

PVC (Type10)

APPROVALS:



UK
CA CE



36

318X A

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3182 A				
2 x 0.75	6.4	8	26	58
2 x 1	6.7	12	19.5	68
2 x 1.5	7.5	16	13.3	86
2 x 2.5	9.3	27	7.98	132
2 x 4	10.8	32	4.95	182
3183 A				
3 x 0.75	6.7	8	26	69
3 x 1	7.1	12	19.5	78
3 x 1.5	8.2	16	13.3	105
3 x 2.5	10.1	27	7.98	161
3 x 4	11.6	32	4.95	230
3 x 6	12.3	35	3.3	315
3184 A				
4 x 0.75	7.3	8	26	101
4 x 1	8.1	12	19.5	121
4 x 1.5	9	16	13.3	203
4 x 2.5	10.7	27	7.98	270
4 x 4	12.7	32	4.95	103
3185 A				
5 x 0.75	8.3	8	26	119
5 x 1	8.7	12	19.5	166
5 x 1.5	10.2	16	13.3	255
5 x 2.5	12	27	7.98	365
5 x 4	14	32	4.95	101

APPLICATION

PVC cables are particularly suitable for outdoor applications and use where flexibility is required at sub-zero temperatures. It maintains its flexibility by showing resistance up to -40 degrees. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown.

3 Cores: Green/Yellow, Blue, Brown.

4 Cores: Green/Yellow, Brown, Black, Grey or Green/Yellow, Blue, Brown, Black.

5 Cores: Green/Yellow, Blue, Brown, Black, Grey.

Sheath Color: Blue or Yellow

+90 258 371 0030

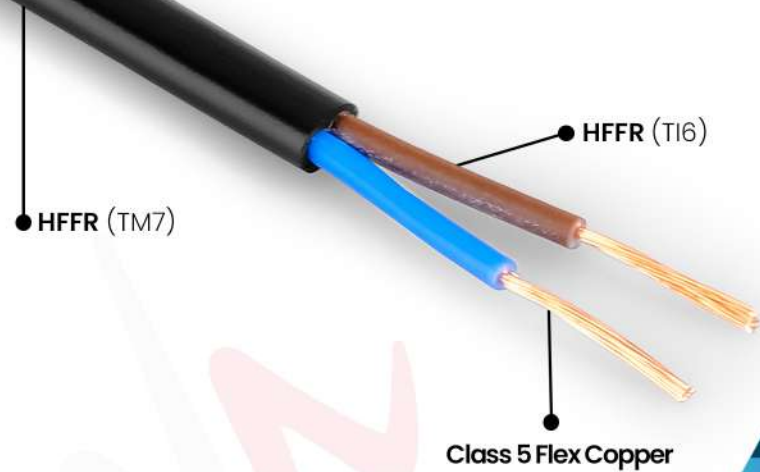
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H03Z1Z1-F / H03Z1Z1H2-F

HALOGEN FREE THERMOPLASTIC INSULATED AND SHEATHED FLEXIBLE CABLES



TYPE: H03Z1Z1-F / H03Z1Z1H2-F

STANDARDS: BS EN 50525-3-11:2011

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 300 / 300 V

Declared Performance:

Dca-sla,d0,al (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to IEC/EN 60754-1/2,
IEC/EN 61034-2 Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 5 Flex Copper

INSULATION

HFFR (TI6)

SHEATH

HFFR (TM7)

H03Z1Z1-F / H03Z1Z1H2-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
H03Z1Z1H2-F				
2 x 0.50	3.4 x 5.4	8	39	30
2 x 0.75	3.5 x 5.8	14	26	35
H03Z1Z1-F				
2 x 0.50	5.3	8	39	35
2 x 0.75	5.7	14	26	40
3 x 0.50	5.8	8	39	40
3 x 0.75	6.2	14	26	48
4 x 0.50	6.3	8	39	53
4 x 0.75	6.7	14	26	60

APPLICATION

Used in energy networks
refineries, mines, hotels,
hospitals, business centers
where there is a risk of fire.
Low smoke emission in case
of fire. They are suitable to
be used in the places that
have less mechanical stress.

REGULATORY COMPLIANCE

This cable is compliant
with European Regulation
EN 50575, the Construction
Products Regulation.



CORE IDENTIFICATION

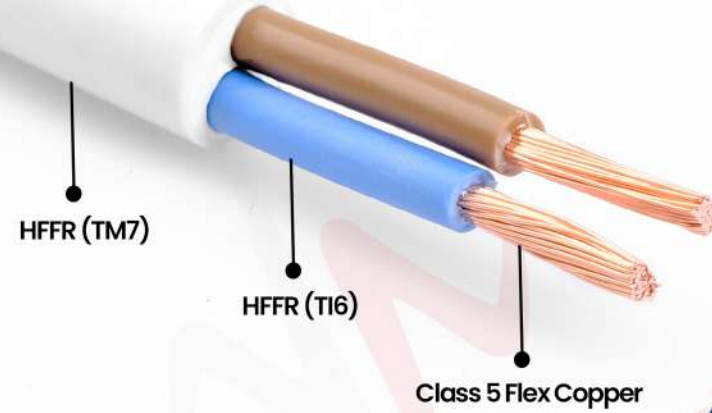
2 Cores: Blue, Brown.
3 Cores: Green/Yellow,
Blue, Brown.
4 Cores: Green/Yellow,
Brown, Black, Grey

Sheath Color: Any Color



H05Z1Z1-F

HALOGEN FREE THERMOPLASTIC INSULATED
AND SHEATHED FLEXIBLE CABLES



TYPE: H05Z1Z1-F

STANDARDS: BS EN 50525-3-11:2011

TECHNICAL DATA :

Max. Operating Temperature : + 70 °C

Rated Voltage : 300/500 V

Declared Performance:

Dca-s2,d2,a2 (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 5 Flex Copper

INSULATION : HFFR (TI6)

SHEATH : HFFR (TM7)

APPROVALS:



H05Z1Z1-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 0.75	6.4	6	26	57
2 x 1	6.7	10	19.5	65
2 x 1.5	7.5	16	13.3	85
2 x 2.5	9.3	25	7.98	130
2 x 4	10.8	32	4.95	181
3 x 0.75	6.7	6	26	66
3 x 1	7.1	10	19.5	78
3 x 1.5	8.2	16	13.3	105
3 x 2.5	10.1	25	7.98	161
3 x 4	11.7	32	4.95	227
4 x 0.75	7.3	6	26	82
4 x 1	8.1	10	19.5	101
4 x 1.5	9	16	13.3	125
4 x 2.5	10.7	25	7.98	203
4 x 4	12.8	32	4.95	276
5 x 0.75	8.3	6	26	103
5 x 1	8.7	10	19.5	119
5 x 1.5	10.2	16	13.3	166
5 x 2.5	12	25	7.98	251
5 x 4	14.9	32	4.95	361

APPLICATION

It is suitable for use in closed, dry, steamy and humid environments as a device supply cable in buildings with low mechanical strain. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



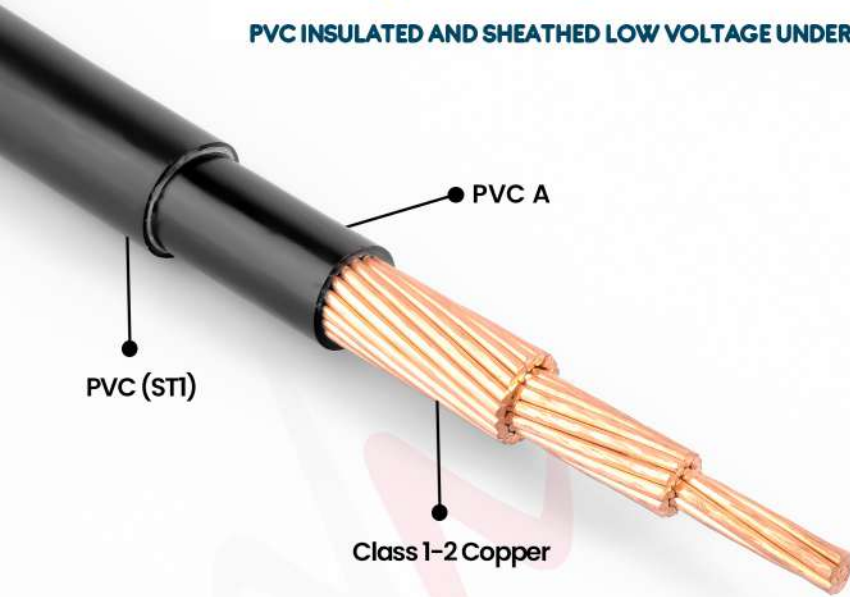
CORE IDENTIFICATION

2 Cores : Blue, Brown.
3 Cores : Green/Yellow, Blue, Brown.
4 Cores : Green/Yellow, Brown, Black, Grey.
5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Any Color

NYY (YVV) SINGLE CORE

PVC INSULATED AND SHEATHED LOW VOLTAGE UNDERGROUND POWER CABLES



TYPE: NYY (YVV) SINGLE CORE

STANDARDS: TS IEC 60502-1

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 0.6/1 kV (600/1000 V)

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : BS EN 60228 Class 1-2 Copper

INSULATION : PVC A

SHEATH : PVC (STI)

APPROVALS:



NYY (YVV) SINGLE CORE

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
1x1.5	5.8	25	12.1	50
1x2.5	6.2	34	7.41	60
1x4	7	45	4.61	85
1x6	7.5	57	3.08	105
1x10	8.30	78	1.83	154
1x16	9.35	103	1.15	210
1x25	10.9	137	0.727	320
1x35	12.1	169	0.524	420
1x50	13.8	206	0.387	555
1x70	15.3	261	0.268	760
1x95	17.6	321	0.193	1035
1x120	19.4	374	0.153	1280
1x150	21	428	0.124	1560
1x185	23.2	474	0.0991	1945
1x240	26.5	592	0.0754	2473

APPLICATION

Used as a mains lighting and power cable, this cable is suitable for use in indoor and outdoor underground and cable ducts where there is no excessive mechanical strain.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



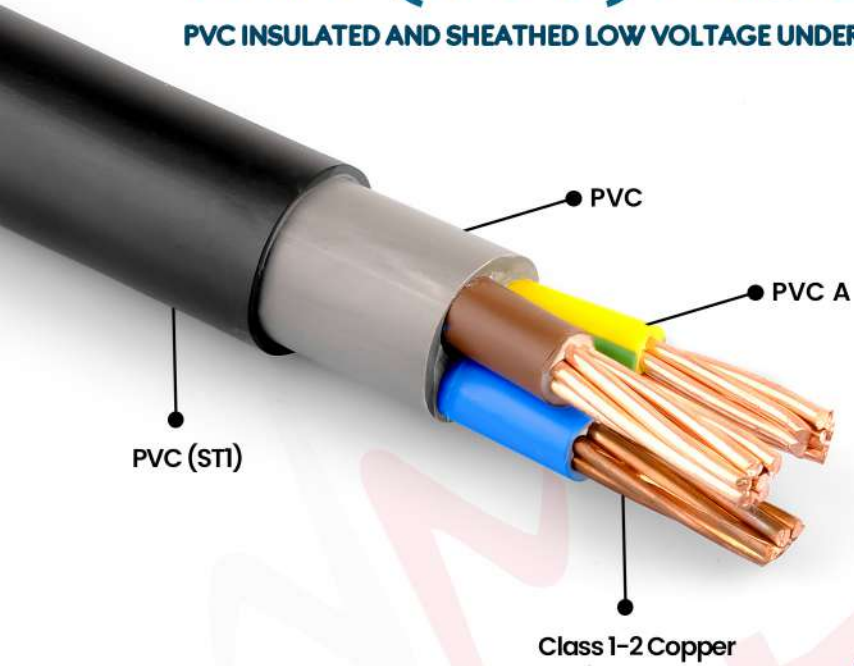
CORE IDENTIFICATION

Core Color : Any Color

Sheath Color : Black

NYY (YVV) MULTICORE

PVC INSULATED AND SHEATHED LOW VOLTAGE UNDERGROUND POWER CABLES



TYPE: NYY (YVV) MULTICORE

STANDARDS: TS IEC 60502-1

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 0.6/1 kV (600/1000 V)

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : BS EN 60228 Class 1-2 Copper

INSULATION : PVC A

FILLER : PVC

SHEATH : PVC (STI)

APPROVALS:



NYY (YVV)

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
NYY (YVV)				
2 x 15	10.4	20	12.1	155
2 x 25	11.2	27	7.41	190
2 x 4	12.9	37	4.61	270
2 x 6	14	48	3.08	330
2 x 10	15.5	66	1.83	460
2 x 16	18.5	89	1.15	660
2 x 25	21.2	118	0.727	940
2 x 35	23.10	145	0.524	1200
3 x 15	10.7	18.5	12.1	175
3 x 25	11.5	25	7.41	220
3 x 4	13.5	34	4.61	315
3 x 6	14.5	43	3.08	395
3 x 10	17.0	60	1.83	575
3 x 16	18.9	80	1.15	790
3 x 25	22.3	106	0.727	1175
3 x 35	24.6	131	0.524	1525
4 x 15	11.4	20	12.1	205
4 x 25	12.8	25	7.41	270
4 x 4	14.7	34	4.61	380
4 x 6	16	43	3.08	510
4 x 10	18.8	59	1.83	725
4 x 16	21.0	103	1.15	1000
4 x 25	24.6	137	0.727	1470
4 x 35	27.4	169	0.524	1925
5 x 15	12.0	20	12.1	225
5 x 25	13.4	25	7.41	310
5 x 4	16.2	34	4.61	445
5 x 6	17.1	43	3.08	560
5 x 10	20.4	59	1.83	805
5 x 16	22.5	103	1.15	1130
5 x 25	28.3	137	0.727	1780
5 x 35	31	169	0.524	2285

APPLICATION

Used as a mains lighting and power cable, this cable is suitable for use in indoor and outdoor underground and cable ducts where there is no excessive mechanical strain.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores : Blue, Brown
3 Cores : Green/Yellow, Blue, Brown

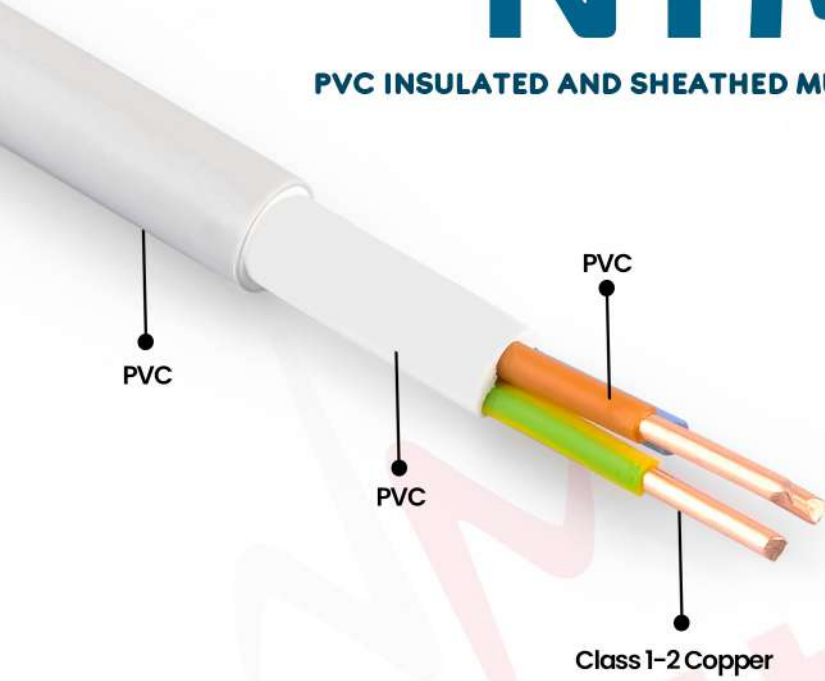
4 Cores : Green/Yellow, Brown, Black, Grey

5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Black

NYM

PVC INSULATED AND SHEATHED MULTI CORE CABLES



TYPE: NYM

STANDARDS: TS HD 21.4 S2

TECHNICAL DATA:

Max. Operating Temperature: + 70 °C

Rated Voltage: 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1-2 Copper

INSULATION : PVC

FILLER : PVC

SHEATH : PVC

APPROVALS:



46

NYM

SIZE (mm²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 1.5	8.5	22	12.1	115
2 x 2.5	9.9	30	7.41	155
2 x 4	10.8	40	4.61	220
2 x 6	11.8	51	3.08	260
2 x 10	16	61	1.83	430
2 x 16	18	82	1.15	620
3 x 1.5	9.2	22	12.1	135
3 x 2.5	10.3	30	7.41	185
3 x 4	11.5	40	4.61	271
3 x 6	12.6	51	3.08	332
3 x 10	16.6	61	1.83	520
3 x 16	20	82	1.15	795
4 x 1.5	10	18.5	12.1	161
4 x 2.5	11.3	25	7.41	223
4 x 4	12.8	34	4.61	335
4 x 6	14.7	43	3.08	425
4 x 10	17.5	61	1.83	720
4 x 16	21	82	1.15	990
5 x 1.5	10.2	17.5	12.1	195
5 x 2.5	11.5	25	7.41	271
5 x 4	14.2	34	4.61	378
5 x 6	15.8	43	3.08	506
5 x 10	17.6	61	1.83	870
5 x 16	20.9	82	1.15	1250

APPLICATION

It is suitable for use in dry and damp places, fixed lighting installations, pipes. It is suitable for use on fixed plaster and under plaster in structures without the risk of mechanical damage. Due to its structure, it is not suitable for laying under the ground.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Grey

+90 258 371 0030

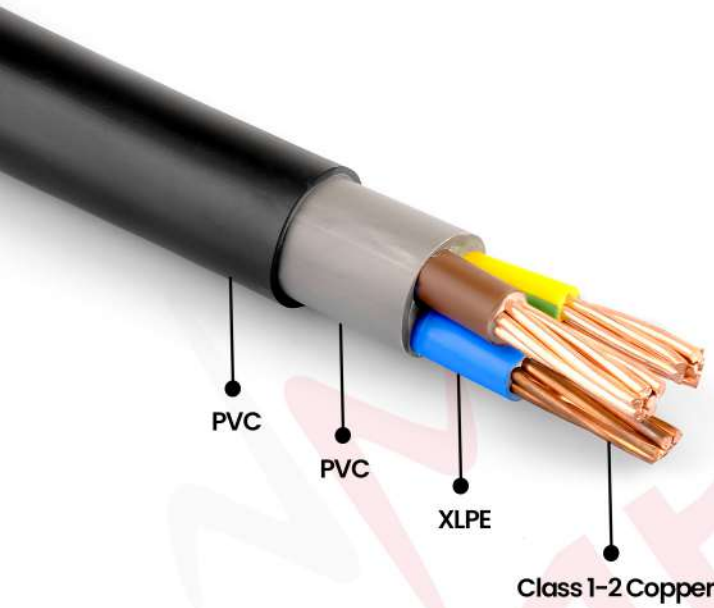
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20050 Merkezefendi / Denizli Türkiye

47

N2XY (YXV) MULTI CORE

XLPE INSULATED, PVC SHEATHED MULTI CORE POWER CABLES



TYPE: N2XY (YXV) MULTI CORE

STANDARDS: IEC 60502-1:2021
VDE 0276
IEC 60228

TECHNICAL DATA:

Max. Operating Temperature: + 90 °C
Rated Voltage: 0.6 / 1 kV
Declared Performance:
Eca (EN 50575:2014/A1:2016)
Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1- 2 Copper
INSULATION : XLPE
FILLER : PVC
SHEATH : PVC

APPROVALS:

SII



N2XY (YXV) MULTI CORE

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 1.5	9.3	32	121	145
2 x 2.5	10.1	42	7.41	190
2 x 4	11.5	56	4.61	250
2 x 6	12.7	71	3.08	300
2 x 10	14.5	96	1.83	450
2 x 16	16.6	125	1.15	620
2 x 25	21.5	155	0.727	900
3 x 1.5	9.6	24	121	170
3 x 2.5	10.5	32	7.41	220
3 x 4	11.9	42	4.61	290
3 x 6	13.2	53	3.08	360
3 x 10	15.1	73	1.83	540
3 x 16	17.3	95	1.15	685
3 x 25	22.5	130	0.727	1050
4 x 1.5	10.5	24	121	190
4 x 2.5	11.4	32	7.41	235
4 x 4	13.1	42	4.61	340
4 x 6	14.5	53	3.08	430
4 x 10	16.7	73	1.83	600
4 x 16	19.2	95	1.15	890
4 x 25	23.5	130	0.727	1300
5 x 1.5	11.2	24	121	205
5 x 2.5	12.3	32	7.41	280
5 x 4	14.2	42	4.61	378
5 x 6	15.8	53	3.08	495
5 x 10	19.5	73	1.83	790
5 x 16	22	95	1.15	1115
5 x 25	25.5	130	0.727	1620
7 x 1.5	13	24	121	255
7 x 2.5	14.2	32	7.41	338

APPLICATION

It is suitable for use in pipes inside buildings and in industrial plants or distribution centers where mechanical damage is not expected. It adapts to high operating temperatures. It has high electrical insulation compared to PVC. It is resistant to short-term sudden temperature increases and has a longer life. Provides durability up to +90 degrees.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



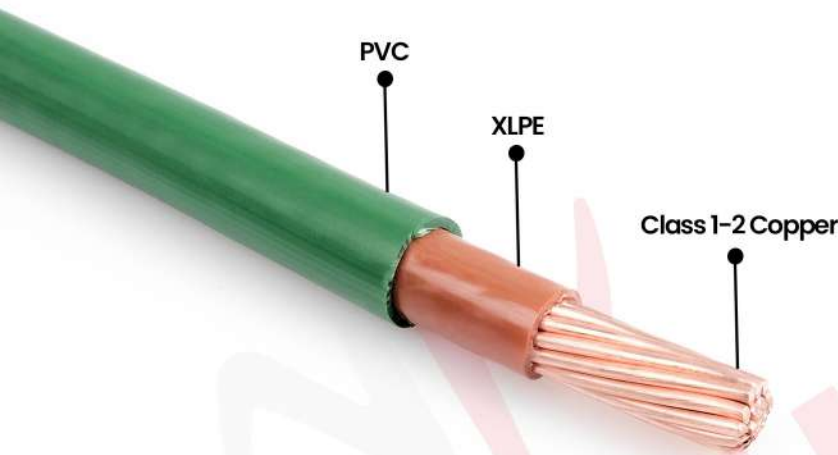
CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Blue, Brown, Black, Grey
7 Cores: Number code

Sheath Color: Black, Green or Any Color

N2XY (YXV) SINGLE CORE

XLPE INSULATED, PVC SHEATHED SINGLE CORE POWER CABLES



TYPE: N2XY (YXV) SINGLE CORE

STANDARDS: IEC 60502-1:2021
VDE 0276
IEC 60228

TECHNICAL DATA:

Max. Operating Temperature: + 90 °C
Rated Voltage: 0.6 / 1 kV
Declared Performance:
Eca (EN 50575:2014/A1:2016)
Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1 - 2 Copper
INSULATION : XLPE
SHEATH : PVC

APPROVALS:

SII



N2XY (YXV) SINGLE CORE

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
1.5	5.5	25	121	45
2.5	5.9	34	7.41	55
4	6.5	44	4.61	75
6	7	57	3.08	90
10	7.9	77	1.83	140
16	8.9	102	1.15	200
25	10.7	139	0.727	300
35	11.8	170	0.524	400
50	12.7	207	0.387	520
70	15.6	263	0.268	740
95	16.8	325	0.193	990
120	18.4	380	0.153	1220
150	20.4	437	0.124	1510
185	22.2	510	0.0991	1867
240	25.4	607	0.0754	2391

APPLICATION

It is suitable for use in pipes inside buildings and in industrial plants or distribution centers where mechanical damage is not expected. It adapts to high operating temperatures. It has high electrical insulation compared to PVC. It is resistant to short-term sudden temperature increases and has a longer life. Provides durability up to +90 degrees.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

1 Core : Any Color

Sheath Color : Black, Green or Any Color

PVC INSULATED AND SHEATHED FLAT CABLES FOR FIXED INSTALLATIONS



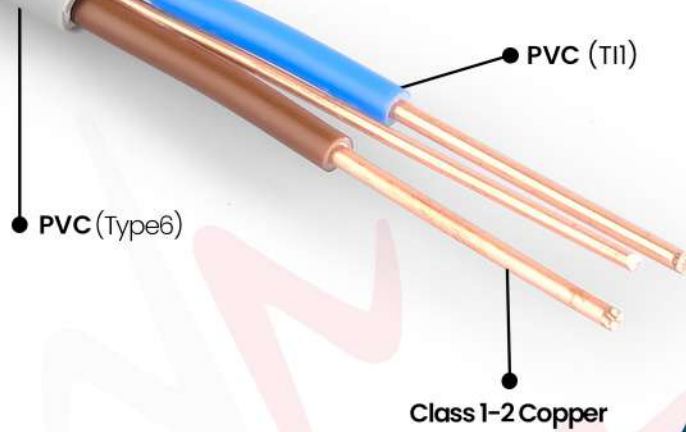
SHEATH : PVC



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6242Y / 6243Y

FLAT TWIN & EARTH PVC CABLE



TYPE: 6242Y / 6243Y FLAT TWIN & EARTH

STANDARDS: BS 6004:2012+A1:2020

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to
IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 1-2 Copper

INSULATION

PVC (TII)

SHEATH

PVC (Type 6)

APPROVALS:



6242Y / 6243Y

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
6242Y				
2 x 1.0 + 1	4.4 x 8	13	18.1	65
2 x 1.5 + 1	4.9 x 8.9	16	12.1	83
2 x 2.5 + 1.5	5.7 x 10.7	21	7.41	125
2 x 4 + 1.5	6.3 x 11.9	27	4.61	171
2 x 6 + 2.5	7.1 x 13.7	34	3.08	230
2 x 10 + 4	8.7 x 17.3	45	1.83	370
2 x 10 + 6	8.9 x 19.1	45	1.83	390
2 x 16 + 6	9.8 x 17.2	57	1.15	540
2 x 16 + 10	10.1 x 20.5	57	1.15	570
6243Y				
3 x 1+1	4.8 x 23.6	13	18.1	98
3 x 1.5+1	5.6 x 13.9	16	12.1	125
3 x 2.5+1.5	6.5 x 16.3	21	7.41	178
3 x 4+1.5	7.1 x 18.5	27	4.61	257
3 x 6+2.5	8.7 x 23.5	34	3.08	345
3 x 10+4	9.8 x 27.1	45	1.83	450
3 x 16+6	11.1 x 30.2	57	1.15	700

APPLICATION

It is suitable for use in dry and damp places, fixed lighting installations, pipes. It is suitable for use on fixed plaster and under plaster in structures without the risk of mechanical damage. Due to its structure, it is not suitable for laying under the ground.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



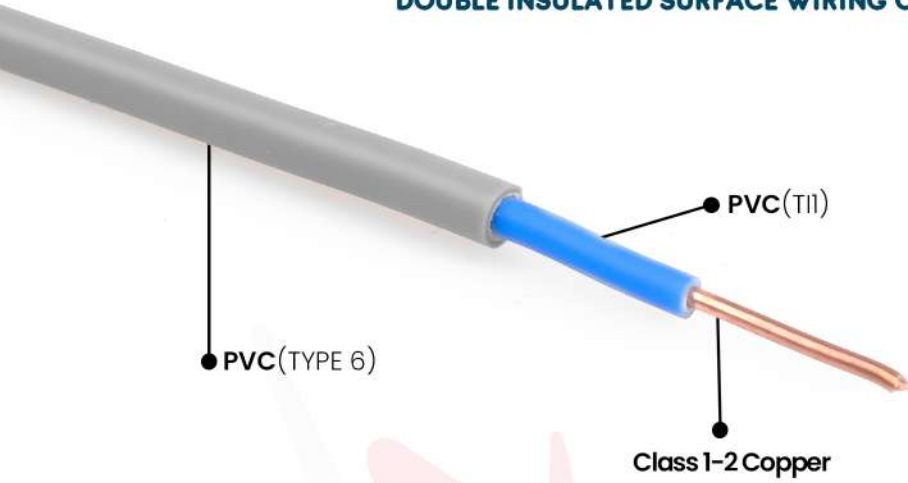
CORE IDENTIFICATION:

1 Core : Blue or Brown.
2 Cores: Brown and Blue, or, for 2 x 1.0 and 2 x 1.5 cables, Brown and Brown
3 Cores: Brown, Black (Centre Core) and Grey

Sheath Color: Grey

6181Y

DOUBLE INSULATED SURFACE WIRING CABLES



TYPE: 6181Y

STANDARDS: BS 6004:2012+A1:2020

TECHNICAL DATA:

Max. Operating Temperature: +70°C

Rated Voltage: 450 / 750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228 Class 1-2

INSULATION

PVC (TII)

SHEATH

PVC (TYPE 6)

APPROVALS:



6181Y

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
6181Y				
1x1	4	13	18.1	26.6
1x1.5	4.5	19	12.1	33
1x2.5	5.1	24	7.41	48.4
1x4	6	32	4.61	72.1
1x6	6.8	41	3.08	94.6
1x10	8.1	57	1.83	108.8
1x16	9.1	76	1.15	210.5
1x25	11.1	101	0.727	329
1x35	12.1	121	0.524	411.4
1x50	13.8	151	0.387	557
1x70	15.6	192	0.268	760
1x95	18.2	235	0.193	1055
1x120	19.9	271	0.153	1310
1x150	21.7	300	0.124	1617
1x185	23.8	345	0.0991	1963
1x240	27.8	394	0.0754	2594

APPLICATION

It is used as an installation cable in panels, under or on plaster, in pipes.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Cores: Blue or Brown.
Sheath Color: Grey, Brown or Blue

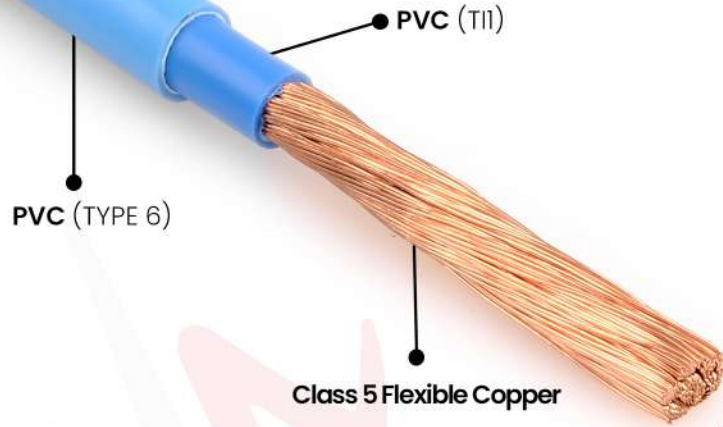
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6381Y

DOUBLE INSULATED FLEXIBLE PVC CABLES



TYPE: 6381Y

STANDARDS:

BS 6004:2012+A1:2020 / IEC 60502-1:2021

TECHNICAL DATA:

Max. Operating Temperature: -5 °C to +70 °C

Rated Voltage:

450/750 V : 1.5 mm² to 35 mm²

600/1000 V : 50 mm² to 240 mm²

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant According to
IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS EN 60228 Class 5 Flexible Copper

INSULATION

PVC (T11)

SHEATH

PVC (TYPE 6)

6381Y

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
6381Y				
1x1.5	4.7	17,5	13.3	33
1x2.5	5.2	24	7.98	48
1x4	6.2	32	4.95	75
1x6	6.9	41	3.3	100
1x10	8.2	57	1.91	145
1x16	9.2	76	1.21	212
1x25	11.2	101	0.78	305
1x35	12.3	125	0.544	393
1x50	14.5	151	0.386	575
1x70	16.8	192	0.272	830
1x95	19.0	232	0.206	1063
1x120	22.0	269	0.161	1889
1x150	23.5	300	0.129	1562
1x185	25.2	345	0.106	1883
1x240	27.7	410	0.0801	2449

APPLICATION

It is suitable for DC power supplies in telecommunications equipment. It is suitable for use in power applications where flexibility is required.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Core Color: Grey, Brown, Blue or Any Color

Sheath Color: Grey, Brown, Blue or Any Color



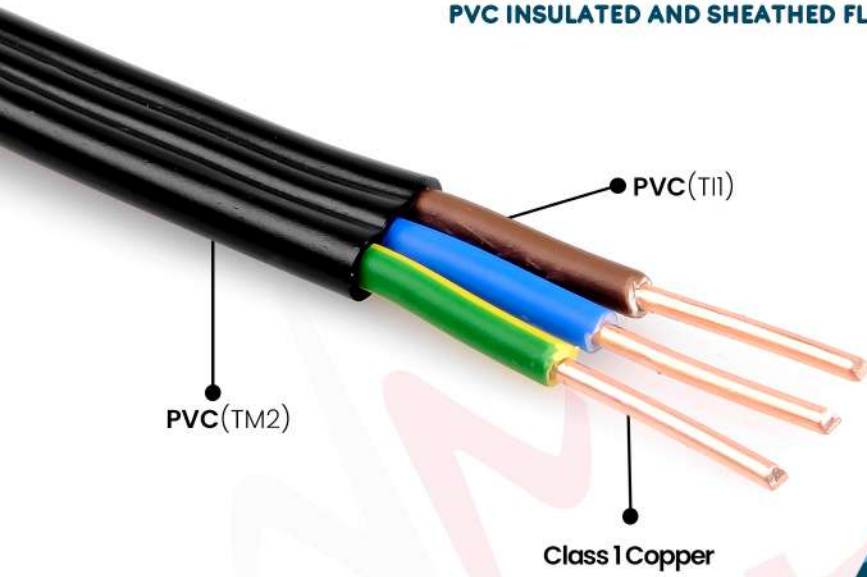
PVC INSULATED, PVC SHEATHED , FLAT TWIN WITH INSULATED EARTH CABLE

[illegible]

Sheath Color: Grey , Black, Red

CYKYLO-U

PVC INSULATED AND SHEATHED FLAT CABLES



TYPE: CYKYLO-U

TECHNICAL DATA:

Max. Operating Temperature: +70°C
Rated Voltage: 300 / 500 V
Declared Performance:
Eca (EN 50575:2014/A1:2016)
Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR
BS EN 60228 - Class 1 Copper
INSULATION
PVC (TII)
SHEATH
PVC (TM2)



CYKYLO-U

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
CYKYLO-U				
2 x 1	2.6 x 5	13	18.1	42
2 x 1.5	2.7 x 5.4	16	12.1	57
2 x 2.5	3.2 x 6.5	23	7.41	74
2 x 4	3.6 x 7.3	30	4.61	80
3 x 1.5	2.6 x 8.2	16	12.1	90
3 x 2.5	3.2 x 9.6	23	7.41	110
3 x 4	3.6 x 8.6	30	4.61	125

APPLICATION

Used as a mains, lighting and power cable, this cable is used in internal, external, underground and cable ducts where there is no excessive mechanical strain.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



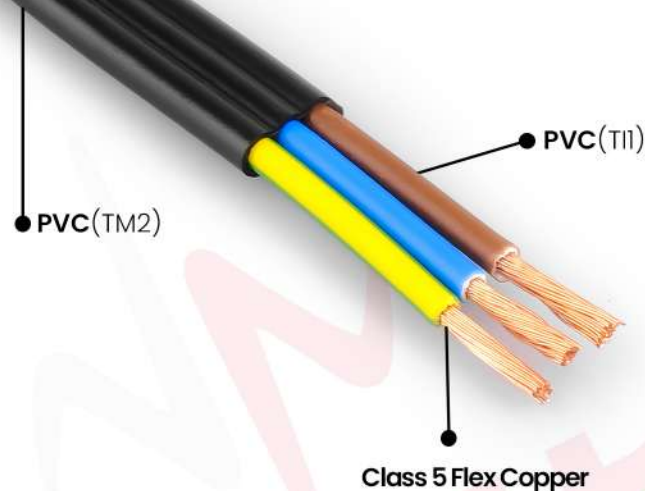
CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown

Sheath Color: Black, White or Any Color

CYKYLO-F

PVC INSULATED AND SHEATHED FLAT CABLES



TYPE: CYKYLO-F

TECHNICAL DATA:

Max. Operating Temperature: +70°C
Rated Voltage: 300 / 500 V
Declared Performance:
Eca (EN 50575:2014/A1:2016)
Flame Retardant According to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR
BS EN 60228 - Class 5 Flex Copper
INSULATION
PVC (TII)
SHEATH
PVC (TM2)



CYKYLO-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
CYKYLO-F				
2 x 1	2.6 x 5	16	19.5	40
2 x 1.5	2.7 x 5.4	20	13.3	46
2 x 2.5	3.2 x 6.5	26	7.98	72
2 x 4	3.6 x 7.3	33	4.95	118
3 x 1.5	2.6 x 8.2	20	13.3	67
3 x 2.5	3.2 x 9.6	26	7.98	121
3 x 4	3.6 x 8.6	33	4.95	159

APPLICATION

Used as a mains, lighting and power cable, this cable is used in internal, external, underground and cable ducts where there is no excessive mechanical strain.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown

Sheath Color: Black, White or Any Color

PVC INSULATED AND SHEATHED FLAT CABLES



66

67

TRI RATED

HEAT RESISTANCE UP TO 105 °C PVC FLEXIBLE CABLES



TYPE: TRI RATED

STANDARDS: EN 50525-2-31:2011
BS 6231 CK 90 °C
UL 758 SYTLE 1015
CSA 22.2 NO.210:15

TECHNICAL DATA:

Max. Operating Temperature:

UL, CSA: -15°C to +105°C BS 6231: -15°C to +90°C

Rated Voltage: 600/1000 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)
Flame Retardant According
to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : BS EN 60228 Class 5 Flex Copper
INSULATION : PVC

APPROVALS:



TRI RATED

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
TRI RATED				
0.50 (20 AWG)	2.5	11	39.0	11
0.75 (18 AWG)	2.7	14	26.0	14
1 (17 AWG)	2.9	17	19.5	17
1.5 (16 AWG)	3.1	21	13.3	22
2.5 (13 AWG)	3.6	30	7.98	33
4 (12 AWG)	4.1	41	4.95	49
6 (10 AWG)	5.2	53	3.3	68
10 (8 AWG)	6.7	75	1.91	121
16 (6 AWG)	7.1	100	1.21	199
25 (4 AWG)	10.4	136	0.78	260
35 (2 AWG)	11.9	167	0.554	370
50 (1 AWG)	13.1	204	0.386	510
70 (2/0 AWG)	15.1	259	0.272	750
95 (4/0 AWG)	16.1	301	0.206	1030
120 (250 MCM)	17.9	374	0.161	1200
150 (300 MCM)	20.1	429	0.129	1400
185 (350 MCM)	22.9	496	0.106	1878
240 (500 MCM)	24.4	595	0.0801	2381

APPLICATION

Heat resistant, flame retardant cable designed for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

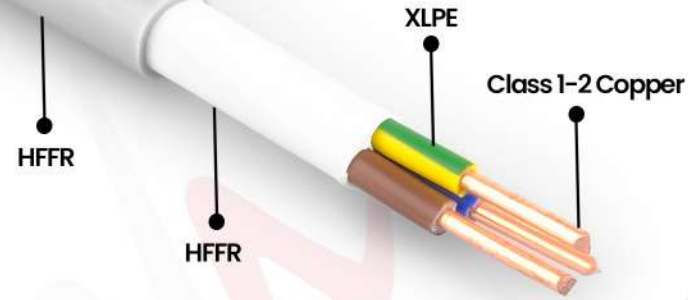


CORE IDENTIFICATION

Core Color : Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Pink, Purple, Yellow, Green

NHXMH

XLPE INSULATED,
HALOGEN FREE SHEATHED MULTI CORE CABLE



TYPE: NHXMH

STANDARDS: TSEK 328:2015, VDE 250

TECHNICAL DATA:

Max. Operating Temperature: + 90 °C

Rated Voltage: 300/500 V

Declared Performance:

Dca-sla,d1,d1 (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1-2 Copper

INSULATION : XLPE

FILLER : HFFR

SHEATH : HFFR

APPROVALS:



NHXMH

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 1.5	8.4	22	12.1	103
2 x 2.5	9.2	30	7.41	131
2 x 4	10.5	40	4.61	188
2 x 6	11.5	50	3.08	245
2 x 10	15.3	70	1.83	390
2 x 16	17.5	90	1.15	540
2 x 25	21	105	0.727	770
3 x 1.5	8.9	22	12.1	120
3 x 2.5	9.8	30	7.41	160
3 x 4	11.1	40	4.61	210
3 x 6	12.5	50	3.08	290
3 x 10	16.1	70	1.83	500
3 x 16	18.1	90	1.15	650
3 x 25	22	105	0.727	1040
4 x 1.5	9.4	22	12.1	140
4 x 2.5	10.4	30	7.41	190
4 x 4	12.4	40	4.61	290
4 x 6	14	50	3.08	375
4 x 10	17.5	70	1.83	600
4 x 16	20	90	1.15	840
4 x 25	24	105	0.727	1265
5 x 1.5	10.2	22	12.1	165
5 x 2.5	11.5	30	7.41	225
5 x 4	14	40	4.61	350
5 x 6	15.8	50	3.08	470
5 x 10	19	70	1.83	750
5 x 16	22	90	1.15	1100
5 x 25	27	105	0.727	1655

APPLICATION

It is suitable for use in refineries, hotels, schools, tunnels, high-rise buildings, hospitals, data processing centers and business centers where people are concentrated, and in fire-sensitive areas. They are generally used as a surface-mounted installation in both flush-mounted and surface-mounted fixed installations. Provides durability up to +90 degrees.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown

3 Cores: Green/Yellow, Blue, Brown

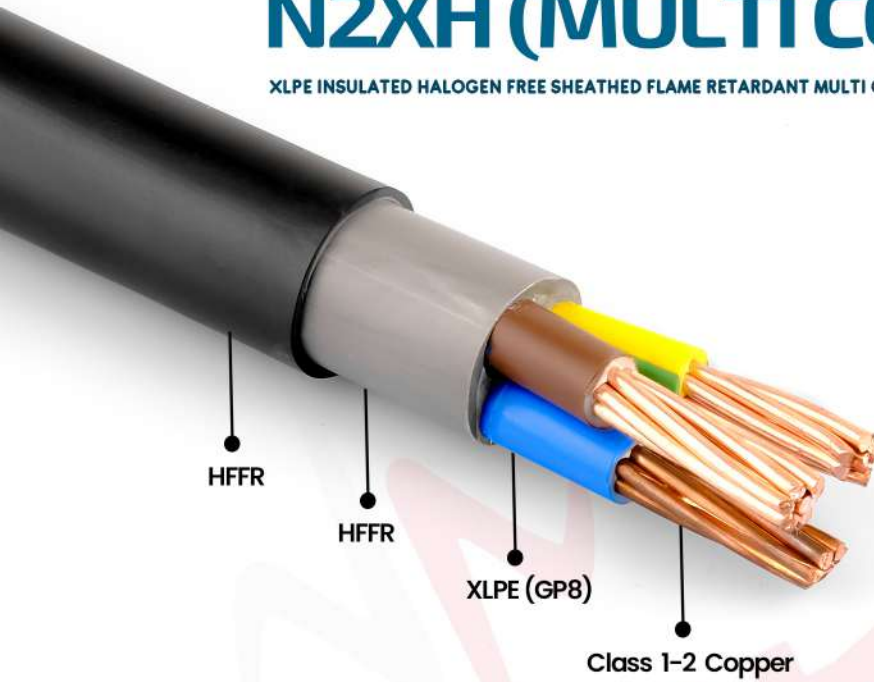
4 Cores: Green/Yellow, Brown, Black, Grey

5 Cores: Green/Yellow, Blue, Brown, Black, Grey

Sheath Color: Grey

N2XH (MULTI CORE)

XLPE INSULATED HALOGEN FREE SHEATHED FLAME RETARDANT MULTI CORE POWER CABLES



TYPE: N2XH (MULTI CORE)

STANDARDS: TS HD 604 SI 5G

TECHNICAL DATA:

Max. Operating Temperature: + 90 °C

Rated Voltage: 0.6 / 1 kV (600/1000 V)

Declared Performance:

Dca (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1-2 Copper

INSULATION : XLPE (GP8)

FILLER : HFFR

SHEATH : HFFR

APPROVALS:



N2XH (MULTI CORE)

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 1.5	9.4	26	121	120
2 x 2.5	10.1	36	7.41	148
2 x 4	11	49	4.61	200
2 x 6	12	63	3.08	240
2 x 10	14.9	86	1.83	410
2 x 16	17	115	1.15	540
2 x 25	20.2	150	0.727	800
3 x 1.5	9.6	23	121	135
3 x 2.5	10.5	32	7.41	170
3 x 4	11.6	42	4.61	238
3 x 6	12.8	53	3.08	321
3 x 10	15.7	73	1.83	523
3 x 16	17.9	98	1.15	710
3 x 25	21.5	126	0.727	1037
4 x 1.5	10.5	23	121	160
4 x 2.5	11.4	32	7.41	215
4 x 4	12.6	42	4.61	291
4 x 6	13.9	53	3.08	386
4 x 10	17.2	73	1.83	642
4 x 16	19.7	98	1.15	883
4 x 25	23.9	126	0.727	1305
5 x 1.5	11.7	23	121	185
5 x 2.5	12.7	32	7.41	245
5 x 4	14	42	4.61	350
5 x 6	15.5	53	3.08	470
5 x 10	19.2	73	1.83	740
5 x 16	22.5	98	1.15	1090
5 x 25	26.5	126	0.727	1590

APPLICATION

Used for refineries, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, populated business centers where there is a risk of fire. Low smoke emission in case of fire

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Brown, Black, Grey, Blue

Sheath Color: Black

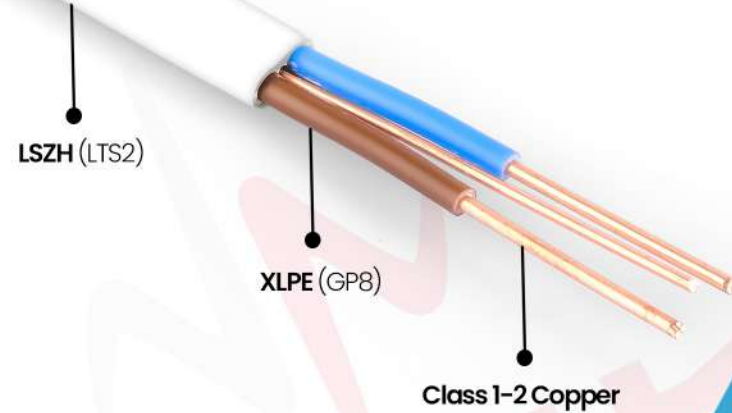
XLPE INSULATED HALOGEN FREE SHEATHED FLAME RETARDANT SINGLE CORE POWER CABLES



75

6242B / 6243B

FLAT TWIN AND EARTH LSZH CABLE



TYPE: 6242B / 6243B

STANDARDS: BS 7211:2012+A1:2020

TECHNICAL DATA:

Max. Operating Temperature: + 90 °C

Rated Voltage: 300/500 V

Declared Performance:

Dca-sla,d2,a1 (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 1-2 Copper

INSULATION : XLPE (GP8)

SHEATH : LSZH (LTS2)

APPROVALS:



6242B / 6243B

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 1.0 + 1	4.3 x 8.0	15	18.1	60
2 x 1.5 + 1	4.7 x 8.5	21	12.1	76
2 x 2.5 + 1.5	5.2 x 9.8	28	7.41	108
2 x 4 + 1.5	6.0 x 11.3	39	4.61	148
2 x 6 + 2.5	6.75 x 13.0	49	3.08	205
2 x 10 + 4	7.8 x 15.8	68	1.83	315
2 x 16 + 6	9.2 x 18.7	95	1.15	471
3 x 1+1	4.4 x 10.7	15	18.1	84
3 x 1.5+1	4.7 x 11.4	21	12.1	109
3 x 2.5+1.5	5.2 x 13.0	28	7.41	145
3 x 4+1.5	6.0 x 15.2	39	4.61	206
3 x 6+2.5	6.7 x 17.5	49	3.08	298
3 x 10+4	7.8 x 21.3	68	1.83	447
3 x 16+6	9.2 x 25.3	95	1.15	678

APPLICATION

Installation in walls, on boards and in channels or embedded in plaster. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment. Provides durability up to +90 degrees. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

2 Cores: Brown and Blue or for 2 x 1.0 and 2 x 1.5 cables, Brown and Brown
3 Cores: Brown, Black (Centre Core), and Grey

Sheath Color: White

**XLPE INSULATED CORE WITH INSULATED
EARTH, HALOGEN FREE SHEATHED FLAT CABLE**



79

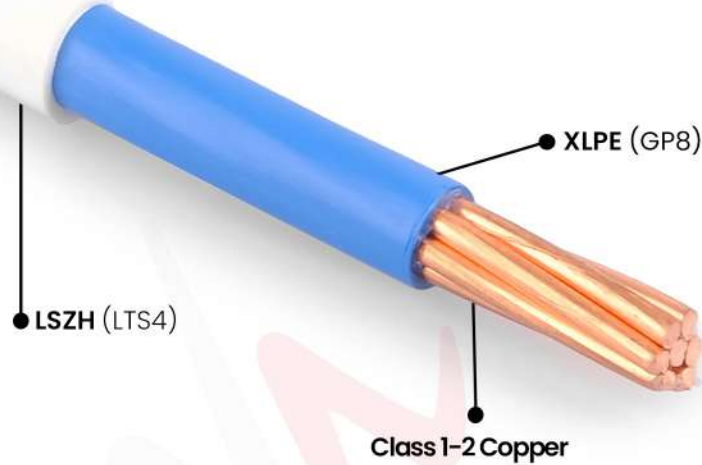
HALOGEN FREE FLAT TWIN WITH INSULATED EARTH



81

6181B

THERMOSETTING INSULATED,
SINGLE-CORE, SHEATHED CABLES



TYPE: 6181B

STANDARDS: BS 7211:2012+A1:2020

TECHNICAL DATA:

Max. Operating Temperature: +90°C

Rated Voltage: 450/750 V

Declared Performance:

Dca (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to IEC/EN 60754-1/2,
IEC/EN 61034-2 Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

EN 60228 Class 1-2 Copper

INSULATION

XLPE (GP8)

SHEATH

LSZH (LTS4)

APPROVALS:



6181B

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
6181B				
1x1	4.1	16	18.1	25
1x1.5	4.3	23	12.1	32
1x2.5	4.7	31	7.41	46
1x4	5.7	42	4.61	65
1x6	6.3	54	3.08	90
1x10	7.1	75	1.83	120
1x16	8.3	100	1.15	180
1x25	10.3	133	0.727	285
1x35	11.5	164	0.524	350
1x50	13.1	198	0.387	524
1x70	14.7	253	0.268	713
1x95	17.3	305	0.193	1000
1x120	18.6	354	0.153	1233
1x150	20.8	393	0.124	1537
1x185	22.9	449	0.0991	1870
1x240	25.6	528	0.0754	2420

APPLICATION

Used as surface wiring where there is little mechanical damage risk, or in conduit. Provides durability up to +90 degrees Low smoke emission in case of fire.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

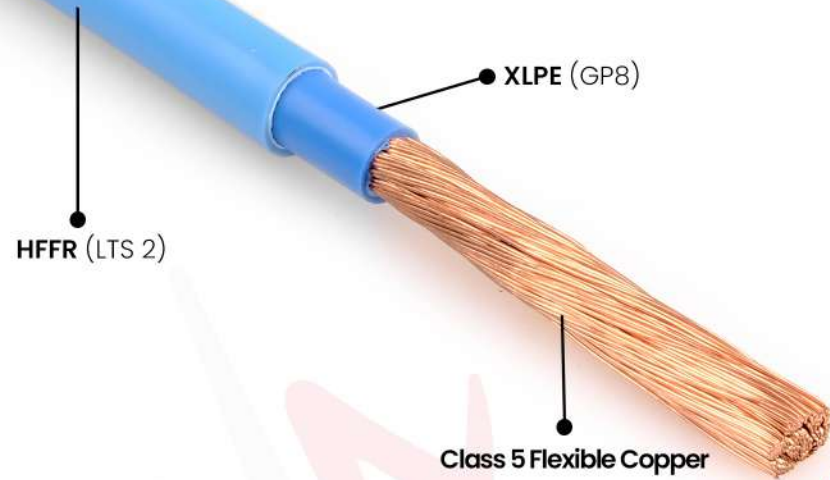


CORE IDENTIFICATION

1 Core: Blue or Brown
Sheath Color: White

6381B

DOUBLE INSULATED FLEXIBLE LSZH
(LOW SMOKE ZERO HALOGEN) CABLE



TYPE: 6381B

STANDARDS: GEN TO BS 7211:2012+A1:2020 /
IEC 60502-1:2021

TECHNICAL DATA:

Max. Operating Temperature: -5°C to +90°C

Rated Voltage:

450/750 V : 1.5 mm² to 35 mm²

600/1000 V : 50 mm² to 240 mm²

Declared Performance:

Dca (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to IEC/EN 60754-1/2,
IEC/EN 61034-2 Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR

BS 60228 Class 5 Flexible Copper

INSULATION

XLPE (GP8)

SHEATH

HFFR (LTS 2)



6381B

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
6381B				
1 x 1.5	4.5	27	13.3	31
1 x 2.5	4.9	35	7.98	41
1 x 4	5.7	47	4.95	58
1 x 6	6.2	59	3.3	82
1 x 10	7.2	81	1.91	121
1 x 16	8.2	107	1.21	177
1 x 25	10.3	144	0.78	266
1 x 35	11.5	176	0.554	363
1 x 50	14	214	0.386	530
1 x 70	16.3	270	0.272	720
1 x 95	18.2	334	0.206	965
1 x 120	20.4	389	0.161	1185
1 x 150	22.1	446	0.129	1470
1 x 185	24.3	513	0.106	1792
1 x 240	27.7	621	0.0801	2297

APPLICATION

Power applications where flexibility is required. Provides durability up to +90 degrees. Low smoke emission in case of fire.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



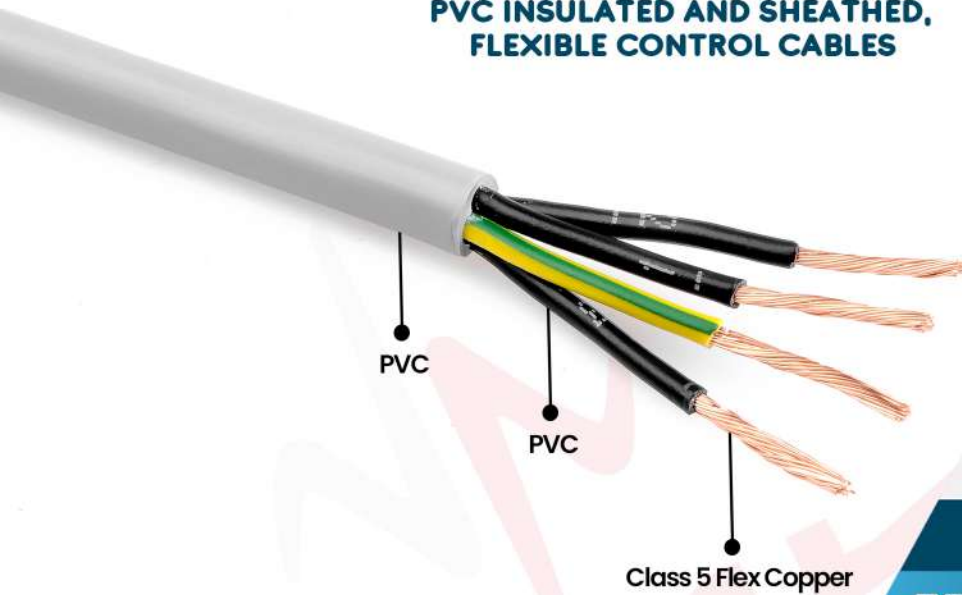
CORE IDENTIFICATION

Core Color: Grey, Brown, Blue or Any Color

Sheath Color: Grey, Brown, Blue or Any Color

YY PVC (YSLY)

PVC INSULATED AND SHEATHED,
FLEXIBLE CONTROL CABLES



TYPE: YY PVC (YSLY)

STANDARDS: BA 1411:2019 CONTROL CABLES

TECHNICAL DATA :

Max. Operating Temperature : + 70 °C

Rated Voltage : 300/500 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 5 Flex Copper

INSULATION : PVC

SHEATH : PVC

YY PVC (YSLY)

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 0.50	4.8	39	38
2 x 0.75	5.4	26	45
2 x 1	5.9	19.5	53
2 x 1.5	6.4	13.3	65
2 x 2.5	8	7.98	114
2 x 4	10.2	4.95	182
3 x 0.50	5	39	45
3 x 0.75	5.6	26	54
3 x 1	6.3	19.5	63
3 x 1.5	6.7	13.3	85
3 x 2.5	8	7.98	150
3 x 4	10	4.95	227
3 x 6	11.4	3.3	305
3 x 10	15.1	1.91	463
4 x 0.50	5.5	39	56
4 x 0.75	6.4	26	69
4 x 1	7	19.5	82
4 x 1.5	7.6	13.3	106
4 x 2.5	9.5	7.98	170
4 x 4	11.1	4.95	257
4 x 6	12.7	3.3	361
4 x 10	16.2	1.91	613
5 x 0.50	6.2	39	70
5 x 0.75	6.9	26	86
5 x 1	7.6	19.5	100
5 x 1.5	8.3	13.3	138
5 x 2.5	10.4	7.98	255
5 x 4	12.0	4.95	350
5 x 6	14.2	3.3	481
5 x 10	17.5	1.91	846
7 x 0.50	6.5	39	89
7 x 0.75	7.6	26	110
7 x 1	8.2	19.5	129
7 x 1.5	9.0	13.3	170
7 x 2.5	11.3	7.98	287
7 x 4	13.8	4.95	380
7 x 6	15.6	3.3	549
10 x 0.50	8.5	39	103
10 x 0.75	9.7	26	135
10 x 1	10.3	19.5	167
10 x 1.5	11.7	13.3	217
10 x 2.5	14.5	7.98	339
12 x 0.50	9.1	39	114
12 x 0.75	10.2	26	151
12 x 1	11.1	19.5	197
12 x 1.5	11.9	13.3	247
12 x 2.5	15.1	7.98	360

APPLICATION

Used as a mains, lighting and power cable, this cable is suitable for use indoors, outdoors and underground, in cable ducts that will protect it from sunlight and mechanical stress, and as a connecting cable for household appliances in generally humid environments.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Black insulation, identification by white numbering

2 Cores : 1-2

3 Cores : 1-2-Green/Yellow

4 Cores : 1-2-3-Green/Yellow

5 Cores : 1-2-3-4 Green/Yellow

7 Cores : 1-2-3-4-5-6
Green/Yellow

10 Cores : 1-2-3-4-5-6-7-8-9-
Green/Yellow

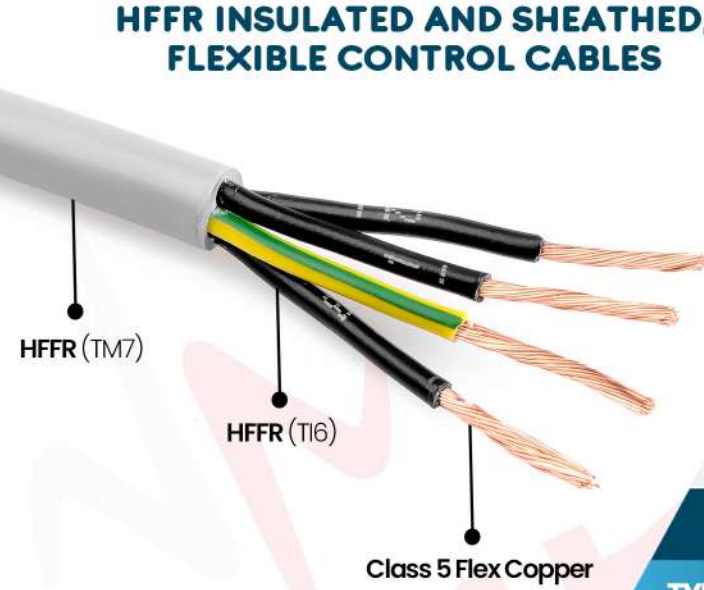
12 Cores : 1-2-3-4-5-6-7-8-9-10-11
Green/Yellow

Sheath Color : Grey



YYLSZH

HFFR INSULATED AND SHEATHED,
FLEXIBLE CONTROL CABLES



TYPE: YYLSZH

STANDARDS: BA 1412:2019 CONTROL CABLES

TECHNICAL DATA:

Max. Operating Temperature: + 70 °C

Rated Voltage: 300/500 V

Declared Performance:

Dca (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to
IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR: EN 60228 Class 5 Flex Copper

INSULATION: HFFR (TI6)

SHEATH: HFFR (TM7)

YYLSZH

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CONDUCTOR RESISTANCE (ohm/km)	APPROXIMATE WEIGHT (kg/km)
2 x 0.50	4.9	39.0	38
2 x 0.75	5.5	26.0	46
2 x 1	6	19.5	52
2 x 1.5	6.5	13.3	75
2 x 2.5	7.9	7.98	108
3 x 0.50	5.1	39.0	44
3 x 0.75	5.7	26.0	54
3 x 1	6.4	19.5	63
3 x 1.5	6.8	13.3	91
3 x 2.5	8.3	7.98	130
3 x 4	10	4.95	217
3 x 6	11.3	3.3	287
3 x 10	14.3	1.91	430
4 x 0.50	5.6	39.0	53
4 x 0.75	6.5	26.0	66
4 x 1	7.1	19.5	80
4 x 1.5	7.7	13.3	118
4 x 2.5	9.5	7.98	186
4 x 4	11.4	4.95	233
4 x 6	12.8	3.3	337
4 x 10	16	1.91	601
5 x 0.50	6.3	39.0	64
5 x 0.75	7.1	26.0	81
5 x 1	7.7	19.5	106
5 x 1.5	8.4	13.3	134
5 x 2.5	10.4	7.98	217
5 x 4	12.6	4.95	318
5 x 6	14.1	3.3	441
5 x 10	17.7	1.91	670
5 x 16	21.8	1.21	967
7 x 0.50	6.7	39.0	81
7 x 0.75	7.7	26.0	99
7 x 1	8.4	19.5	120
7 x 1.5	9.1	13.3	163
7 x 2.5	11.2	7.98	270
7 x 4	13.6	4.95	413
7 x 6	15.2	3.3	535

APPLICATION

It is suitable for use in measurement, control and regulation control equipment, assembly and production lines, conveyors and computer units. It is suitable for use in fixed flush and surface-mounted, mobile systems in structures where mechanical stress is moderate. Low smoke emission in case of fire.

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

Black insulation, identification by white numbering

2 Cores: 1-2

3 Cores: 1-2-Green/Yellow

4 Cores: 1-2-3-Green/Yellow

5 Cores: 1-2-3-4 Green/Yellow

7 Cores: 1-2-3-4-5-6
Green/Yellow

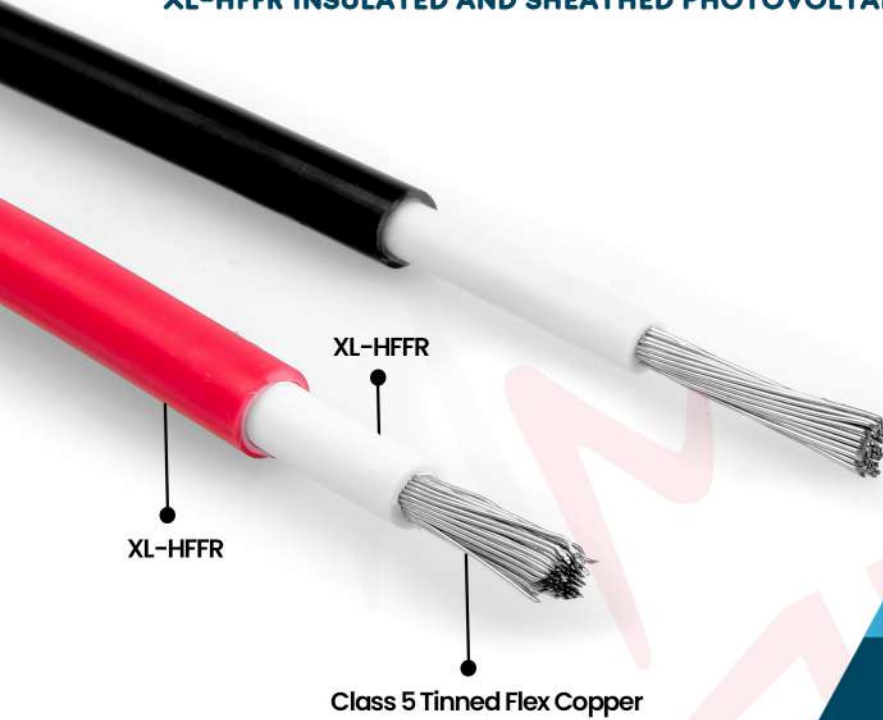
Sheath Color: Grey

UK
CA CE



H1Z2Z2-K (Solar Cable)

XL-HFFR INSULATED AND SHEATHED PHOTOVOLTAIC (PV) SOLAR CABLES



TYPE: H1Z2Z2-K (Solar Cable)

STANDARDS: EN 50618:2014 / IEC 62930:2017

TECHNICAL DATA :

Max. Operating Temperature : + 90 °C

Rated Voltage : DC : 1500 V (Max. 1.8 kV)
AC : 1000 V (Max. 1.2 kV)

Declared Performance:

Dca (EN 50575:2014/A1:2016)

Low Smoke Zero Halogen according to
IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

EN 60228 Class 5 Tinned Flex Copper

INSULATION : XL-HFFR

SHEATH : XL-HFFR

APPROVALS:

TUV NORD



90

H1Z2Z2-K (Solar Cable)

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
1x1.5	4.7	23	13.7	32
1x2.5	5.0	31	8.21	46
1x4	5.6	42	5.09	63
1x6	6.1	54	3.39	88
1x10	7.0	75	1.95	120
1x16	8.3	100	1.24	180
1x25	10.7	133	0.795	285
1x35	12.3	164	0.565	350
1x50	14.3	211	0.393	450

APPLICATION	REGULATORY COMPLIANCE	CORE IDENTIFICATION
It is suitable for use in fixed stationary indoor and outdoor installations, inside pipes, tubes and similar closed systems. It is designed to facilitate the connection of various photovoltaic system elements such as solar panels. Provides durability up to +90 degrees. Low smoke emission in case of fire.	This cable is compliant with European Regulation EN 50575, the Construction Products Regulation. 	Core Color : White Sheath Color : Red, Black, Blue

+90 258 371 0030

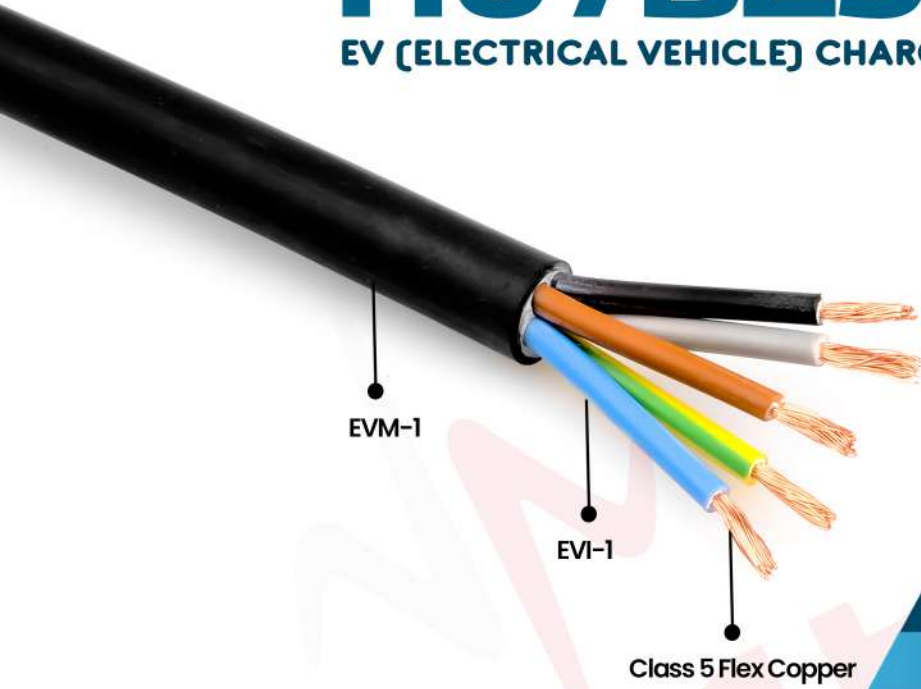
export@cmkkablo.com
www.cmkkablo.com

Hacıyüplü, Akça Cd. No: 157,
20050 Merkezefendi / Denizli Türkiye

91

H07BZ5-F

EV (ELECTRICAL VEHICLE) CHARGE CABLE



TYPE: H07BZ5-F

STANDARDS: BS EN 50620:2017

TECHNICAL DATA:

Max. Operating Temperature: -40°C to +90°C

Rated Voltage: 450/750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

EN 60228 Class 5 Flex Copper

INSULATION : EVI-1

SHEATH : EVM-1

APPROVALS:



H07BZ5-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3 x 1.5	9.3	14	13.3	108
3 x 2.5	10.6	25	7.98	147
3 x 4	12.3	35	4.95	208
3 x 6	13.9	44	3.3	280
3 x 10	16.2	62	1.91	438
3 x 16	20.1	82	1.21	650
3 x 25	19.2	109	0.780	967
3 x 35	28.2	135	0.554	1361
4 x 2.5	11.6	20	7.98	182
4 x 4	13.5	30	4.95	267
4 x 6	15.4	38	3.3	343
4 x 10	18.6	54	1.91	571
4 x 16	22.4	71	1.21	837
4 x 25	28	94	0.780	1260
4 x 35	32.9	117	0.554	1720
5 x 2.5	13.3	20	7.98	220
5 x 4	15.4	30	4.95	331
5 x 6	17.5	38	3.3	412
5 x 10	20.8	54	1.91	685
5 x 16	25	71	1.21	1019
5 x 25	31.3	94	0.780	1543
5 x 35	36.9	117	0.554	2108

APPLICATION

Flexible EV (Electric Vehicle) charging cable with AC mode.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

3 Cores : Green/Yellow, Blue, Brown

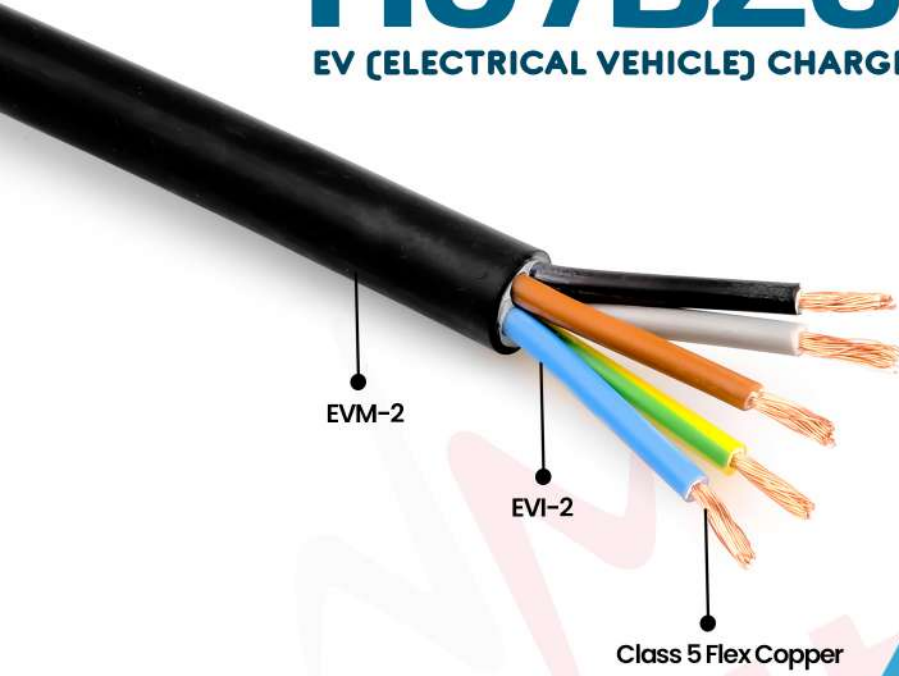
4 Cores : Green/Yellow, Brown, Black, Grey

5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Any Color

H07BZ6-F

EV (ELECTRICAL VEHICLE) CHARGE CABLES



TYPE: H07BZ6-F

STANDARDS: BS EN 50620:2017

TECHNICAL DATA:

Max. Operating Temperature: -40°C to +90°C

Rated Voltage: 450/750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR : EN 60228 Class 5 Flex Copper

INSULATION : EVI-2

SHEATH : EVM-2

APPROVALS:



H07BZ6-F

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3 x 1.5	10.5	14	13.3	92
3 x 2.5	12	25	7.98	130
3 x 4	13.8	35	4.95	180
3 x 6	15.6	44	3.3	251
3 x 10	18.6	62	1.91	403
3 x 16	22.2	82	1.21	631
3 x 25	27.6	109	0.780	957
3 x 35	32.4	135	0.554	1321
4 x 2.5	13.3	20	7.98	172
4 x 4	15.3	30	4.95	240
4 x 6	17.4	38	3.3	347
4 x 10	20.7	54	1.91	530
4 x 16	24.7	71	1.21	807
4 x 25	30.8	94	0.780	1253
4 x 35	36.2	117	0.554	1681
5 x 2.5	14.7	20	7.98	207
5 x 4	17	30	4.95	303
5 x 6	19.3	38	3.3	419
5 x 10	23.1	54	1.91	657
5 x 16	27.6	71	1.21	1003
5 x 25	34.5	94	0.780	1196
5 x 35	40.6	117	0.554	1659

APPLICATION

Flexible EV (Electric Vehicle) charging cable with AC mode.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

3 Cores : Green/Yellow, Blue, Brown

4 Cores : Green/Yellow, Brown, Black, Grey

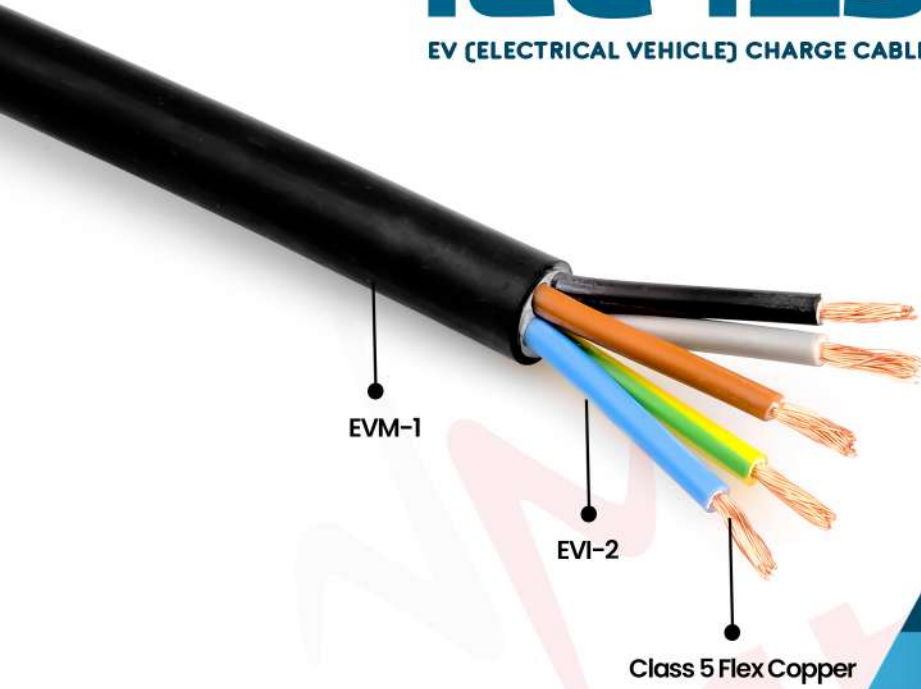
5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Any Color



IEC 123

EV (ELECTRICAL VEHICLE) CHARGE CABLE



TYPE: IEC 123

STANDARDS: IEC 62893-3

TECHNICAL DATA:

Max. Operating Temperature: -40°C to +90°C

Rated Voltage: 450/750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

EN 60228 Class 5 Flex Copper

INSULATION : EVI-2

SHEATH : EVM-1

APPROVALS:



IEC 123

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3 x 1.5	9.3	14	13.3	108
3 x 2.5	10.6	25	7.98	147
3 x 4	12.3	35	4.95	208
3 x 6	13.9	44	3.3	280
3 x 10	16.2	62	1.91	438
3 x 16	20.1	82	1.21	650
3 x 25	19.2	109	0.780	967
3 x 35	28.2	135	0.554	1361
4 x 2.5	11.6	20	7.98	182
4 x 4	13.6	30	4.95	267
4 x 6	15.4	38	3.3	343
4 x 10	18.7	54	1.91	571
4 x 16	22.5	71	1.21	837
4 x 25	28.1	94	0.780	1260
4 x 35	32.9	117	0.554	1720
5 x 2.5	13.4	20	7.98	220
5 x 4	15.4	30	4.95	331
5 x 6	17.6	38	3.3	412
5 x 10	20.9	54	1.91	685
5 x 16	25.1	71	1.21	1019
5 x 25	31.4	94	0.780	1543
5 x 35	36.9	117	0.554	2108

APPLICATION

Flexible EV (Electric Vehicle) charging cable with AC mode.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

3 Cores : Green/Yellow, Blue, Brown

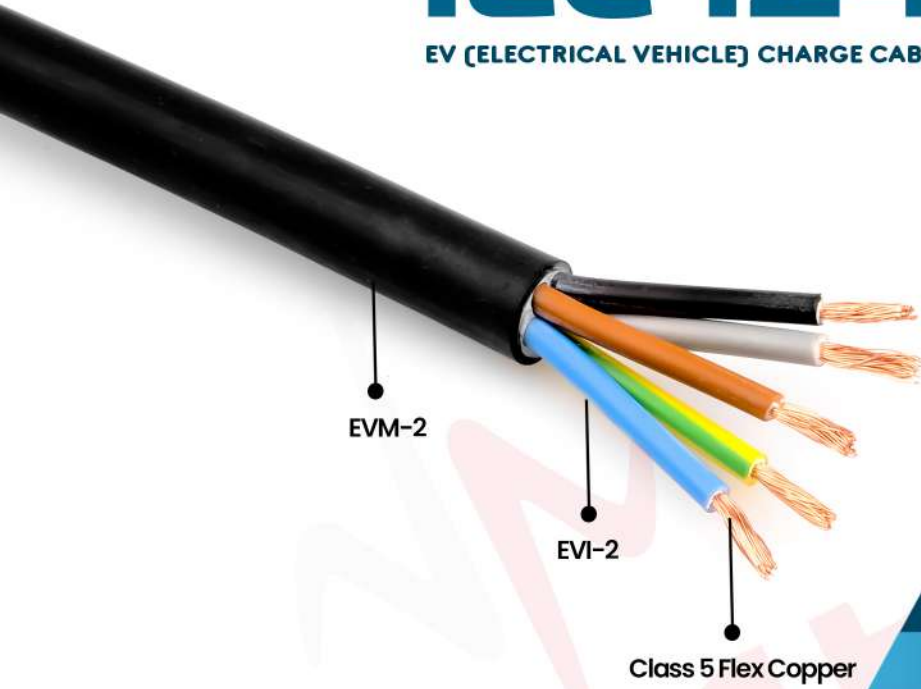
4 Cores : Green/Yellow, Brown, Black, Grey

5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Any Color

IEC 124

EV (ELECTRICAL VEHICLE) CHARGE CABLE



TYPE: IEC 124

STANDARDS: IEC 62893-3

TECHNICAL DATA:

Max. Operating Temperature: -40°C to +90°C

Rated Voltage: 450/750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

EN 60228 Class 5 Flex Copper

INSULATION : EVI-2

SHEATH : EVM-2

APPROVALS:



IEC 124

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3 x 1.5	10.5	14	13.3	92
3 x 2.5	12	25	7.98	130
3 x 4	13.8	35	4.95	180
3 x 6	15.6	44	3.3	251
3 x 10	18.6	62	1.91	403
3 x 16	22.2	82	1.21	631
3 x 25	27.6	109	0.780	957
3 x 35	32.4	135	0.554	1321
4 x 2.5	13.3	20	7.98	172
4 x 4	15.3	30	4.95	240
4 x 6	17.3	38	3.3	347
4 x 10	20.7	54	1.91	530
4 x 16	24.7	71	1.21	807
4 x 25	30.8	94	0.780	1253
4 x 35	36.2	117	0.554	1681
5 x 2.5	14.7	20	7.98	207
5 x 4	17	30	4.95	303
5 x 6	19.3	38	3.3	419
5 x 10	23.1	54	1.91	657
5 x 16	27.6	71	1.21	1003
5 x 25	34.5	94	0.780	1196
5 x 35	40.6	117	0.554	1659

APPLICATION

Flexible EV (Electric Vehicle) charging cable with AC mode.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

3 Cores : Green/Yellow, Blue, Brown

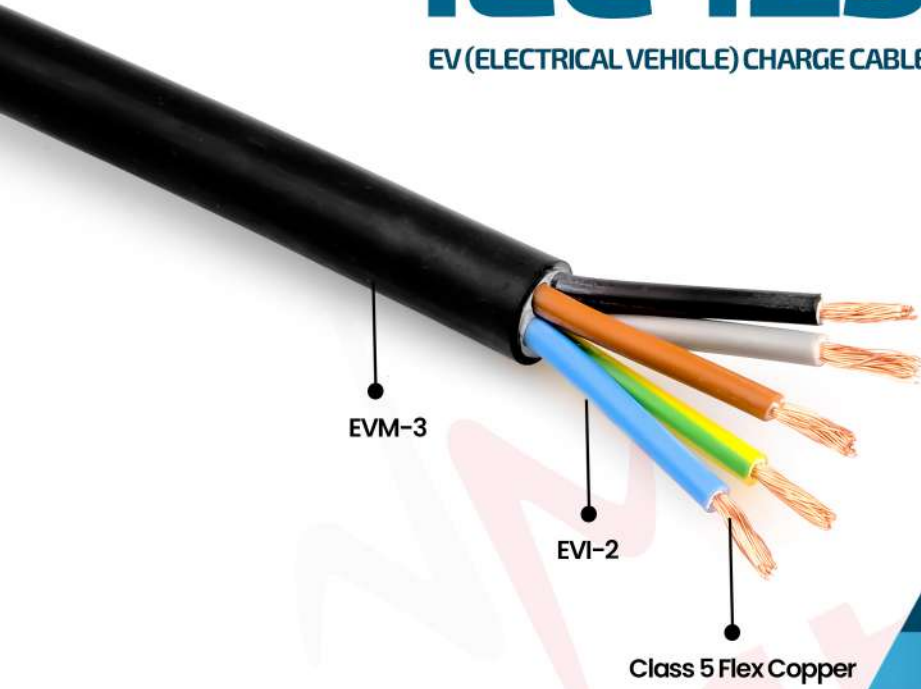
4 Cores : Green/Yellow, Brown, Black, Grey

5 Cores : Green/Yellow, Blue, Brown, Black, Grey

Sheath Color : Any Color

IEC 125

EV (ELECTRICAL VEHICLE) CHARGE CABLE



TYPE: IEC 125

STANDARDS: IEC 62893-3

TECHNICAL DATA:

Max. Operating Temperature: -40°C to +90°C

Rated Voltage: 450/750 V

Declared Performance:

Eca (EN 50575:2014/A1:2016)

Flame Retardant according to IEC/EN 60332-1-2

CONSTRUCTION:

CONDUCTOR :

EN 60228 Class 5 Flex Copper

INSULATION : EVI-2

SHEATH : EVM-3

APPROVALS:



IEC 125

SIZE (mm ²)	MEAN OVERALL DIAMETER (mm)	CURRENT CARRYING CAPACITY (A)	CONDUCTOR RESISTANCE (Ohm/km)	APPROXIMATE WEIGHT (kg/km)
3 x 1.5	10.5	14	13.3	92
3 x 2.5	12	25	7.98	130
3 x 4	13.8	35	4.95	180
3 x 6	15.6	44	3.3	251
3 x 10	18.6	62	1.91	403
3 x 16	22.2	82	1.21	631
3 x 25	27.6	109	0.780	957
3 x 35	32.4	135	0.554	1321
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4 x 4	15.3	30	4.95	240
4 x 6	17.3	38	3.3	347
4 x 10	20.7	54	1.91	530
4 x 16	24.7	71	1.21	807
4 x 25	30.8	94	0.780	1253
4 x 35	36.2	117	0.554	1681
5 x 2.5	14.7	20	7.98	207
5 x 4	17	30	4.95	303
5 x 6	19.3	38	3.3	419
5 x 10	23.1	54	1.91	657
5 x 16	27.6	71	1.21	1003
5 x 25	34.5	94	0.780	1196
5 x 35	40.6	117	0.554	1659

APPLICATION

Flexible EV (Electric Vehicle) charging cable with AC mode.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



CORE IDENTIFICATION

3 Cores: Green/Yellow, Blue, Brown

4 Cores: Green/Yellow, Brown, Black, Grey

5 Cores: Green/Yellow, Blue, Brown, Black, Grey

Sheath Color: Any Color

SYMBOLS

SYMBOL	MATERIAL (SYMBOLS ACCORDING TO TS HD 361.S3)
INSULATION AND NON-METALLIC SHEATH MATERIALS	
E	Polyethylene
N	Polychloroprene
V	PVC
X	Cross-linked Polyethylene
Z1	Polyethylene-based thermoplastic compound with low level of corrosive gas emission, suitable for use in cables with low smoke emission when burned.
METALLIC COVERS	
AT	Aluminum screen
A8	Aluminum screen on each core
C4	Copper screen as mesh on the connecting cores
C7	Copper screen made of strip or tape or wire
C8	Copper screen on each core as in C7
ARMOURS	
Z2	Round steel wire armor, galvanized and ungalvanized
Z3	Flat steel wire armor, galvanized and non-galvanized
Z4	Steel strip armor, galvanized or non-galvanized
Y2	Round aluminum wire armor
Y3	Flat aluminum wire armor
CUSTOM MADE	
	Circular construction cable
H	Detachable flat construction cables and cords
H2	Non-separable flat construction cables
H4	Flat stranded cable, one conductor uninsulated
H5	Final joining of two or more cores, twisted together.
H6	Flat cable with two or more cores
CONDUCTOR MATERIAL	
	Copper
-A	Aluminum
CONDUCTOR FORM	
-F	The flexible conductor of a flexible cable or cord
-H	Highly flexible conductor of a flexible cable or cord
-K	Conductor of a cable for fixed installations
-R	Rigid, circular conductor braided
-S	Rigid, circular slice conductor braided
-U	Rigid, round conductor, solid
-W	Rigid, circular segment conductor solid
-Y	Conductor in the form of tinsel

IDENTIFICATION OF CORES IN CABLES AND FLEXIBLE CORDS

CABLES AND CORDS WITH A GREEN AND YELLOW CORE

Number of cores	Color of cores				
	Protective	Live			
* 3	Green/Yellow	Blue	Brown		
* 4	Green/Yellow	-	Brown	Black	Grey
* 4 a	Green/Yellow	Blue	Brown	Black	
* 5	Green/Yellow	Blue	Brown	Black	Grey
> 5	Green/Yellow	Black cores with white number			
> 5	Green/Yellow	White cores black white number			

a For certain applications only.

b In this table an uninsulated concentric conductor, such as a metallic sheath, armour or screen wires, is not regarded as a core.

* Based on HD 308 S2 standard

CABLES AND CORDS WITHOUT A GREEN AND YELLOW CORE

Number of cores	Color of cores				
	Protective	Live			
* 2	Blue	Brown			
* 3	-	Brown	Black	Grey	
* 3a	Blue	Brown	Black		
* 4	Blue	Brown	Black	Grey	
* 5	Blue	Brown	Black	Grey	Black
>5		All cores are black color with white number			
>5		All cores are white color with black number			

a For certain applications only.

b In this table an uninsulated concentric conductor, such as a metallic sheath, armour or screen wires, is not regarded as a core.

* Based on HD 308 S2 standard

Distance Information

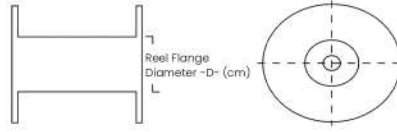
Power	The Maximum Range of 0.6-1 kV Insulated cables carrying standard powers																
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	
2.5	103	169	271	404	675	1063											
3	87	142	227	339	567	892	1291										
3.5	73	120	192	287	480	756	1180										
4	65	106	169	253	423	666	1038										
4.5	58	94	51	226	378	595	927	1266			380 Voltage drop < %3						
5	51	84	135	202	337	531	828	1130									
6	43	70	112	168	280	442	689	940	1247								
7	36	60	96	143	240	378	590	805	1067								
8	32	52	84	125	210	330	515	703	932	1301							
9	28	46	74	111	186	293	457	625	828	1155							
10	25	42	67	101	168	265	414	565	750	1045							
12	21	35	56	84	141	223	347	474	630	878	1168						
14	18	30	49	73	123	194	302	413	547	764	1014						
16		26	42	62	105	165	257	351	466	650	863	1053	1119				
18		23	37	56	94	148	231	316	419	585	811	948	1017				
20		21	34	51	85	135	210	287	381	532	706	862	907	1072			
22			30	45	76	120	288	256	340	475	630	769	799	944	1156		
25			27	40	67	106	165	226	299	418	555	677	671	793	971	1124	
30				33	56	89	139	189	251	351	466	569	569	672	823	952	
35					48	75	117	161	213	297	395	482	501	592	725	838	
40					42	66	103	141	187	262	348	425	442	522	639	739	
45						58	91	124	165	231	306	374	400	472	578	669	
50						53	82	113	149	209	277	338	361	426	522	604	
55						48	74	102	135	188	250	305	332	392	481	556	
60							68	94	124	173	230	281	284	336	411	476	
70							58	80	106	148	197	241	266	314	385	446	
75							55	75	99	139	185	225	248	293	360	416	
80								70	93	130	172	210	220	261	319	369	
90								62	82	115	153	187	198	234	287	332	
100									74	103	138	168	181	214	262	303	
110									68	94	126	153	153	181	221	256	
130										80	106	129	149	177	216	250	
133										78	104	127	132	156	192	222	
150											92	112	124	146	179	208	
160											86	105	110	130	160	185	
180												93	99	117	144	166	
200													97	114	140	162	
205						Cos φ= 0.9									102	125	145
230															106	123	
270																119	
280																114	
290																111	
300																109	
305																	

AWG ROTATION RULER

COMPARISON OF CROSS SECTION AREAS TO METRIC AND US STANDARDS

US WIRE GAUGE			METRIC SYSTEM
AWG or MCM	mm ²	mm	mm ²
1300 MCM	659,00	28,97	625
1000 MCM	506,71	25,40	500
800 MCM	405,35	22,72	
700 MCM	354,71	21,25	
600 MCM	304,00	19,67	300
500 MCM	253,35	17,96	240
400 MCM	202,71	16,06	
350 MCM	177,00	15,01	185
300 MCM	154,00	14,00	150
250 MCM	126,64	12,70	120
4 / 0	107,2	11,68	95
3 / 0	85,03	10,04	
2 / 0	67,43	9,26	70
1 / 0	53,48	8,25	50
1	42,41	7,34	
2	33,63	6,55	35
3	26,67	5,83	
4	21,15	5,19	25
5	16,77	4,60	
6	13,3	4,11	16
7	10,55	3,67	
8	8,37	3,26	10
9	6,63	2,91	
10	5,26	2,59	6
11	4,17	2,31	
12	3,31	2,05	4
13	2,62	1,83	2,5
14	2,08	1,63	
15	1,65	1,45	
16	1,31	1,29	1,5
17	1,03	1,15	1,0
18	0,823	1,00	0,75
19	0,653	0,91	
20	0,51	0,81	0,50
21	0,41	0,72	
22	0,32	0,64	0,40
23	0,25	0,57	

CAPACITY OF CABLE DRUMS



Cable Dia.	Reel Flange Diameter - D- (cm)															
	70	80	90	100	110	120	130	140	150	160	180	200	210	220	230	240
5	3000															
6	2000															
7	1500	2050														
8	1150	1570														
9	920	1250	2300													
10	750	1130	1850	2350												
11	600	830	1500	1900												
12	500	700	1250	1600	2100											
13	440	600	1100	1400	1850	2250										
14	380	520	950	1200	1580	2000										
15	330	450	830	1050	1400	1700	2170									
16	280	380	700	890	1200	1550	1950	2150								
17	250	350	620	790	1050	1380	1750	1950								
18	230	310	570	730	950	1240	1570	1750								
19	210	290	500	640	850	1110	1400	1560	2120							
20	190	260	460	590	780	990	1250	1390	1900							
21	170	230	420	530	700	920	1160	1290	1700							
22	150	210	370	470	620	850	1070	1190	1570	2120						
23	140	190	340	430	570	790	990	1100	1450	1910						
24	130	180	330	410	550	700	880	980	1350	1780	2100					
25	120	160	300	380	500	650	820	910	1200	1660	1900					
26	110	150	280	350	450	630	790	880	1100	1500	1760	2020				
27	100	140	250	320	420	580	730	820	1080	1410	1660	1900	2210			
28		130	230	290	390	540	680	750	990	1310	1540	1700	2000			
29		120	220	280	370	500	630	700	920	1220	1440	1650	1950			
30		110	200	260	340	450	580	640	850	1140	1340	1540	1800			
31		100	190	250	320	440	560	620	780	1050	1230	1410	1670	2020		
32		100	180	230	300	410	510	570	760	980	1150	1320	1560	1910		
33			170	220	290	380	480	530	700	960	1120	1240	1460	1800	2120	
34			160	200	270	370	460	510	650	890	1050	1150	1350	1700	1980	2100
35			150	190	260	340	430	470	630	830	970	1120	1320	1600	1860	1970
36			140	180	230	330	420	460	580	810	910	1050	1220	1500	1750	1850
37			130	170	220	300	380	430	560	750	880	970	1140	1460	1700	1730
38			120	160	210	290	380	420	520	700	830	950	1100	1380	1600	1680
39			120	150	200	270	340	380	500	680	800	870	1030	1280	1510	1600
40			110	150	190	260	330	360	460	630	750	850	1000	1250	1460	1480
41			100	140	170	250	320	350	450	610	680	780	920	1160	1360	1440
42			100	130	170	230	290	320	440	570	660	760	890	1090	1270	1340
43				120	160	230	290	320	400	550	650	700	830	1060	1240	1250
44				120	160	220	280	310	390	510	600	690	810	990	1160	1220
45				110	140	200	260	280	380	500	580	670	790	960	1140	1150
46				100	140	200	250	270	340	480	530	610	730	900	1060	1120
47					140	190	240	270	330	440	520	600	710	870	1040	1100
48					130	170	220	240	330	440	510	550	650	820	960	1020
49					120	170	210	240	300	400	470	540	640	800	940	990
50					110	160	200	230	290	390	460	530	620	750	870	920
51					110	150	190	210	280	370	440	470	570	710	850	890
52					110	140	180	200	250	350	410	470	550	700	820	830
53						140	180	200	250	340	400	460	540	660	770	820
54						140	170	190	240	330	390	440	530	630	750	790
55						130	170	190	240	320	350	410	480	590	700	740
56						120	150	170	230	300	350	400	480	580	690	730
57						120	150	160	210	290	340	400	460	570	670	700
58						110	140	160	210	290	340	390	460	560	660	660
59						110	140	160	200	280	310	350	420	520	610	650
60						140	160	200	260	300	350	410	510	610	600	640
61						130	240	190	250	290	330	400	490	580	580	
62						120	140	170	250	290	330	390	460	540	540	
63						120	130	170	240	280	300	350	450	530	560	
64						120	130	170	240	260	300	350	450	520	550	
65									160	210	250	290	340	440	510	510



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