



NINGBO EVERRISING IMPORT&EXPORT CO.,LTD.



[HTTP://WWW.NEIEC.CN](http://www.neiec.cn)

NINGBO EVERRISING IMPORT&EXPORT CO.,LTD.
NINGBO EVERRISING ELECTRICAL CO.,LTD.

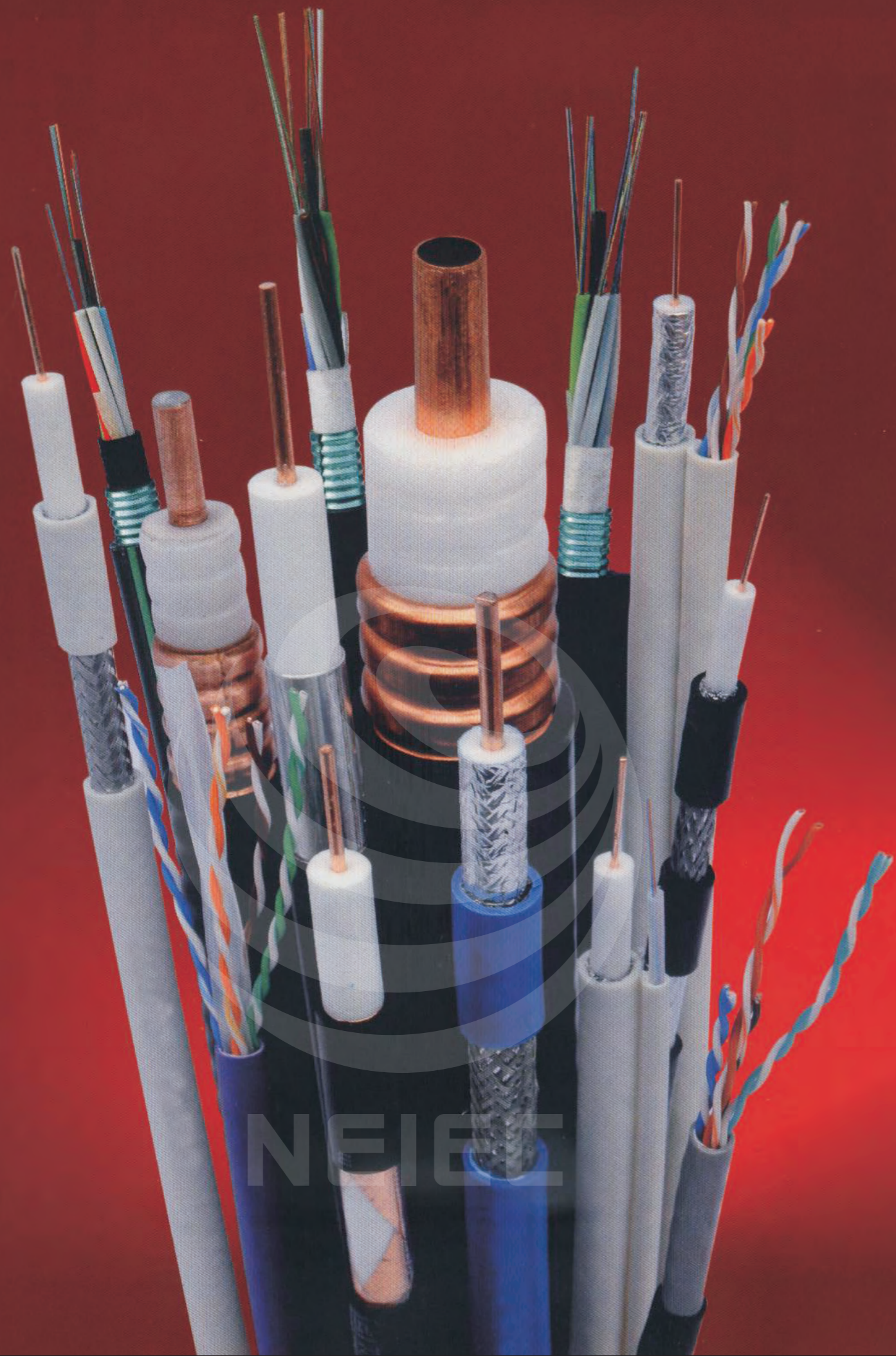
CHINA OFFICE:

Add: 12th Floor, Chengtou Building, No.68 Heji Street, Jiangdong District, Ningbo, 315041
Tel: 0086-574-27872111 87292322 87707157
Fax: 0086-574-27872333 87292320
Mobile: 0086-13606588272
<http://www.neiec.cn>
E-mail: neiec@neiec.cn Frankhe@neiec.cn

FACTORY:

Add: NO.1301 Yangfan Road, National Hi-Tech Zone, Ningbo, China





*P*roject examples





Contents

Single Core PVC Flexible Wire, HO5V-K/HO7V-K	1
Single Core PVC Flexible Wire 105°C	2
Single Core Lshf Flexible Wire 105°C	3
Multi-core PVC Flexible Wire H07VV-R & H07VV-K	4
Coaxial Cable RG6U	5
Flat Cable	6
Speaker Cable	7
Lan Cable	8
HO5RN-F Ordinary Duty Rubber Cable	9
HO7RN-F Heavy Duty Rubber Cable	10-11
Electric Power Cable	12-15
Ysly Jz/oz Pvc Control Flexible Cable	16-17
Lilyc Data Cable	18-19
Cy-jz/oz Number Coded Transparent	20
Iron Cable	21
Cvv Control Flexible Cable	22-23
Vct Control Flexible Cable	24
Cy-jz Number Coded Grey Sheath	25



Single Core PVC Flexible Wire, HO5V-K / HO7V-K



Application

For indoor fixed installations in dry locations in electrical equipment, switchboards and distributors. Should be installed in surface mounted or embedded conduits, for protected fixed installations in or on lighting fittings. Suitable for installations in machines for nominal voltages up to 1.000 V alternating current or up to 750 V to earth direct current. Cannot be used for installations under the wall surface.

Construction

Fine copper strands, acc.to VDE 0295, class 2. PVC core insulation.

Technical data

Rated voltage: HO5V-K 300/500V & HO7V-K 450/750

Test voltage: HO5V-K 2000V & HO7V-K 2500V

Temperature: 70°C

Min. Bending radius: 12.5 to 15 x Ø

Reference standard: DIN VDE 0281-3 HD 21.3 S3 and IEC 60227-3

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
HO5V-K		
0.50	2.1-2.6	8
0.75	2.2-2.8	12
1.00	2.4-2.9	14

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
HO7V-K		
1.5	2.8-3.5	20
2.5	3.4-4.2	32
4	3.9-4.9	46
6	4.4-5.4	65
10	5.7-6.9	113
16	6.7-8.2	170
25	8.4-10.3	260
35	9.7-11.8	360
50	11.5-13.9	515
70	13.2-16.1	710
95	15.1-18.3	940
120	16.7-20.3	1180
150	18.6-22.6	1481
185	25.0	2040
240	27.0	2620



Single Core PVC Flexible Wire 105°C



Application

This cable is suitable for the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and in motor starters and controllers.

Construction

Fine copper strands, acc.to VDE 0295, class 5. PVC core insulation.

Technical data

Rated voltage: 600/1000V
 Test voltage: 3500V
 Temperature: 105°C
 Min. Bending radius: 12.5 to 15 x Ø
 Reference standard: BS6231, AS/NZS5000.1

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
1.0	3.4	18
1.5	3.7	23
2.5	4.2	34
4	4.8	50
6	6.3	71
10	7.8	123
16	9	203
25	11.5	303

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
35	13	412
50	15	607
70	17.5	837
95	19.5	1080
120	21.5	1280
150	24	1630
185	26.5	1940
240	30	2550

Single Core LSHF Flexible Wire 105°C



Application

This cable is suitable for installation in switch cabinets, appliances and devices for communication technologies, household appliances, construction of generation, and transformers, machine construction, railway technologies and particularly suitable for internal wiring of rail vehicles.

Construction

Fine copper strands, acc.to VDE 0295, class 5. Low smoke halogen free compound (LSHF)

Technical data

Rated voltage: 450 / 750V for 0.5mm² - 1.0mm²
 600 / 1000V for 1.5mm² and above
 Test voltage: 2500V for 0.5mm² - 1.0mm²
 3500V for 1.5mm² and above
 Temperature: 105°C
 Bending radius: 4 X Ø (for one single bend)
 6 X Ø (min. bending radius)
 Reference standard: IEC60332-1 & 3C, BS 4066 Part 1 & 3, IEC60754, IEC61034

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
0.5	2.6	11
0.75	2.8	14
1.0	2.9	16
1.5	3.2	23
2.5	3.6	35
4	4.2	51
6	4.8	71
10	6.1	131
16	7.2	199

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
25	9.7	305
35	11.1	404
50	13.6	576
70	15.4	765
95	17.6	1052
120	19.5	1261
150	21.9	1567
185	23.5	1892
240	27.2	2538

MULTI-CORE PVC FLEXIBLE WIRE H05VV-R & H07VV-K



Applications

Suitable for use in conduit and for fixed, protected installation of Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power- Limited and anti-interference needed

Construction

Voltage: 300/500V or 450/750V
Stranded Bare Copper Conductor or Copper clad Aluminium and PVC Insulated, PVC jacket

Nominal Cross sectional area of conductor (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Overall diameter	
			Min. Dia.	Max. Dia.
2×0.75	0.6	0.8	6	7.6
2×1.0	0.6	0.8	6.4	8
2×1.5	0.7	0.8	7.4	9
2×2.5	0.8	1	8.9	11
3×0.75	0.6	0.8	6.4	8
3×1.0	0.6	0.8	6.8	8.4
3×1.5	0.7	0.9	8	9.8
3×2.5	0.8	1	9.6	12
4×0.75	0.6	0.8	6.8	8.6
4×1.0	0.6	0.9	7.6	9.4
4×1.5	0.7	1	9	11
4×2.5	0.8	1.1	10.5	13
5×0.75	0.6	0.9	7.4	9.6
5×1.0	0.6	0.9	8.3	10
5×1.5	0.7	1.1	10	12
5×2.5	0.8	1.2	11.5	14

Coaxial Cable RG6U



Application

1. Coaxial cable for CATV, CCTV systems
2. Plus F as connection cable
3. For satellite systems

Package

- 1) Packing Lengths: 100m/roll, 200m/roll, 305m/roll, 100yard/roll, 200yard/roll, 300yard/roll Other lengths available according to client's request;
- 2) Inner packing: Wooden reel, plastic reel, and paper reel available.
- 3) Outer packing: Carton box, pull out box, pallet available.
- 4) Other packing available according to client's request.

BASIC CONSTRUCTION

Conductor	Material	BC,CCS(15%-30%)
	Nom.Dia	1.02mm
Dielectric	Material	Foam PE
	Nom.Dia	4.60mm
Shield	Material	Al bonded foil+96/64/48/32*0.12mmAlloy wire
	Coverage	40%-95%
Jacket	Material	PVC/PE
	Nom.Thick	0.80mm
	Nom.Dia	6.6mm

BASIC CHARACTERISTICS

Nominal Impedance(ohm)	75±3		
Nominal Velocity of Propagation(%)	85		
Nominal Capacitance(pF/m)	50		
Sparker Test(VAC)	4000		
SRL(dB)	20	20	
Attenuation(68°F(20°C))	Frequency(MHZ)	Maximum(dB/100ft)	Maximum(dB/100m)
	5	0.58	1.90
	55	1.6	5.25
	187	2.85	9.35
	300	3.55	11.64
	450	4.4	14.43
	600	5.1	16.73
	750	5.65	18.54
	865	6.1	20.01
	1000	6.55	21.49

Flat Cable



Applications

Fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster

Specifications

1) Insulation: PVC
3) 300/500V

2) Suitable for indoor or outdoor surface wiring
4) BS 6004, IEC 60227 (BVVB).

Flat Cable Features

- 1) Solid or stranded copper conductor PVC insulated and PVC sheathed cables (two cores or three cores)
- 2) Suitable for indoor or outdoor surface wiring
- 3) 300/500V
- 4) 227IEC-4 (BVVB).

Flat Cable: Solid or stranded copper conductor PVC insulated and PVC sheathed cables (two cores or three cores)

Technical Data for Twin Core and 3-Core

Nominal conductor area mm ²	Number of wires No.	Nominal diameter of wire mm	Nominal thickness of insulation mm	Nominal thickness of outer sheath		Approx. Overall diameter		Max. Conductor DC resistance at 20°C Ω/km
				Twin Core mm	3-Core mm	Twin Core mm	3-Core mm	
1.0	1	1.13	0.6	0.9	0.9	4.1x6.5	4.1 x 8.8	18.1
1.5	1	1.38	0.7	0.9	0.9	4.6x7.4	4.6 x 10.1	12.1
2.5	1	1.78	0.8	1.0	1.0	5.4x8.8	5.4 x 12.1	7.41
4	7	0.85	0.8	1.0	1.1	6.2x10.3	6.4 x 14.7	4.61
6	7	1.04	0.8	1.1	1.1	6.9x11.6	6.9 x 16.4	3.08
10	7	1.35	1.0	1.2	1.2	8.5x14.5	8.5 x 20.6	1.83
16	7	1.68	1.0	1.3	1.3	9.6x16.7	9.6 x 23.7	1.15

Technical Data for Twin & Earth

Nominal conductor area mm ²	Number of wires and Nominal diameter of wire		Nominal thickness of insulation mm	Nominal thickness of outer sheath mm	Approx. Overall diameter mm	Max. Conductor DC resistance at 20°C	
	Phase Conductor No. x mm	Earth Conductor No. x mm				Phase Conductor Ω/km	Earth Conductor Ω/km
2x1.0 + 1.0	1x1.13	1x1.13	0.6	0.9	4.1x7.6	18.1	18.1
2x1.5 + 1.0	1x1.38	1x1.13	0.7	0.9	4.6x8.5	12.1	18.1
2x2.5 + 1.5	1x1.78	1x1.38	0.8	1.0	5.4x10.1	7.41	12.1
2x4 + 1.5	7x0.85	1x1.38	0.8	1.1	6.4x11.9	4.61	12.1
2x6 + 2.5	7x1.04	1x1.78	0.8	1.1	6.9x13.4	3.08	7.41
2x10 + 4	7x1.35	1x2.25	1.0	1.2	8.5x16.8	1.83	4.61
2x16 + 6	7x1.68	1x2.76	1.0	1.3	9.6x19.4	1.15	3.08



Speaker Cable



Application

It designed for connecting Speaker to amplifiers in a wide variety of applications

Product Description:

High-performance speaker Cable with CE, CCC, UL certification

1. Conductor: Copper, CCA, TC...
2. Structure of conductor: Spiral, weave or tape
3. Jacket: PVC, transparent PVC, LSOH...
4. Package: Carton, reel, spool, coiling...

Specification	Product Description	Overall Diameter
0.35 Square	2CX20/0.15mm	O.D:2.0X4.0 PVC
0.5 Square	2CX28/0.15mm	O.D:2.2X4.4 PVC
0.75 Square	2CX42/0.15mm	O.D:2.4X4.8 PVC
1.0 Square	2CX57/0.15mm	O.D:3.0X6.0 PVC
1.5 Square	2CX85/0.15mm	O.D:3.6X7.2 PVC
2.5 Square	2CX7X20/0.15mm	O.D:4.2X8.4 PVC
4.0 Square	2CX7X32/0.15mm	O.D:5.0X10.0 PVC
6.0 Square	2CX7X48/0.15mm	O.D:5.5X11.0 PVC
24AWG	2CX18/0.12mm	O.D:1.8X3.6 PVC
22AWG	2CX18/0.15mm	O.D:2.0X4.0 PVC
20AWG	2CX29/0.15mm	O.D:2.2X4.4 PVC
18AWG	2CX46/0.15mm	O.D:2.5X5.0 PVC
16AWG	2CX74/0.15mm	O.D:3.0X6.0 PVC
14AWG	2CX118/0.15mm	O.D:3.5X7.0 PVC
12AWG	2CX187/0.15mm	O.D:4.5X9.0 PVC
10AWG	2CX297/0.15mm	O.D:5.5X11.0 PVC

Lan Cable



Applications:

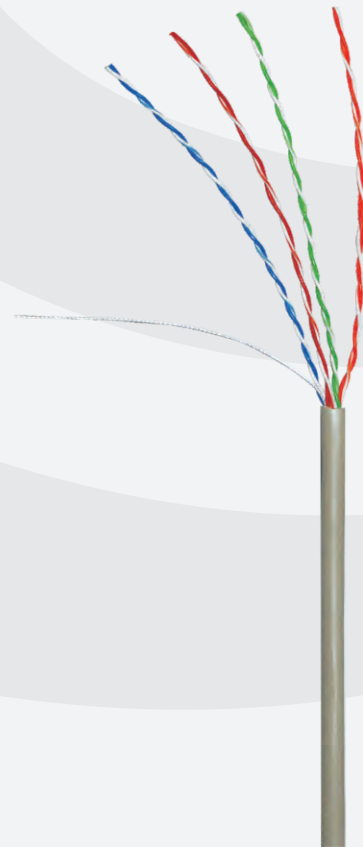
1. Computer Network Cabling Project
2. Broadband Network Communication.
3. Digital ISDN Network and ATM 155Mbps Network
4. Ethernet Network
5. Audio and Data Transmission
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T(Gigabit Ethernet)

Detailed products description:

- 1) Inner Conductor:24AWG Bare Copper, (CCA,CCS are available)
- 2) Shield or unshield are available
- 3) Dielectric:HD-PE,Dia.0.90mm
- 4) Filler: PE Cross or FM-PE Thin slice
- 5) Unrip rope: optional
- 6) Jacket: PVC or LSHF PVC etc
- 7) Impedance:100±15%Ω at 1~250MHz
- 8) Rated Temperature: 60 or 75
- 9) Packing: 305m/roll, 4rolls/outer carton

Specification

- * Pairs: 4Pairs
- * Working Temperature: -20°C ~ +75°C
- * Application: Indoor or Outdoor



Electrical Characteristics		UTP CAR5E		FTP CAR5E	
Impedance(Ohm)		100±15		100±15	
Velocity of propagation		70		70	
Minimum Return Loss(dB)		≥23		≥23	
Frequency Attenuation(dB/100m)		NEST	PS-NEST	ELFEXT	PS-ELFEXT
1MHz	2.0	62.3	65.3	63.8	60.8
4MHz	4.1	53.3	56.3	51.7	48.7
10MHz	6.5	47.3	50.3	43.8	40.8
16MHz	8.2	44.3	47.3	39.7	36.7
20MHz	9.3	42.8	45.8	37.7	34.7
31.25MHz	11.7	39.9	42.9	33.9	30.9
62.5MHz	17.0	35.4	38.4	27.8	24.8
100MHz	22.0	32.3	35.3	23.8	20.8

HO5RN-F Ordinary Duty Rubber Cable



Application

Ordinary duty rubber cable designed for use on power tools and light machinery. Suitable for indoor and outdoor use including wet conditions.

Construction

Fine copper strands, acc. to VDE 0295,
IEC 60288, BS 6360, class 5.
Ethylene-propylene rubber (EPR) core insulation EI4 to VDE-0282 Part-1
Polychloroprene rubber (Neoprene) jacket Em2, black colour
Core identification :2 core - blue, brown
3 core - green/yellow, brown, blue

Technical data

Rated voltage: 300/500V
Test voltage:2000V AC
Temperature : -35°C to +60°C (70°C max)
Flexing bending radius:6 x Ø
Fixed bending radius: 4 x Ø
Reference standard: HD22.4 S3, VDE-0282 Part-4,
IEC 60245-4, CCC

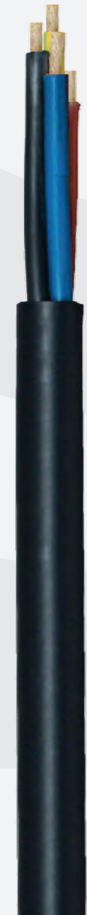
Features

Good mechanical strength
High ozone and weather resistance
Good aging resistance
Low flammability
Good resistance toward chemicals Moderate oil



No. of cores	Nominal cross-sectional area of conductor	Max. diameter Of wires	Thickness of insulation	Thickness of over sheath	Approx overall diameter	Approx net weight	Electrical Characteristics
No	mm ²	mm	mm	mm	mm	kg/km	Cond. Resistance D. C. at 20oC Ohm/km
2	0.5	0.2	0.6	0.8	5.8	53	39.0
	0.75	0.2	0.6	0.8	6.3	63	26.0
	1.0	0.2	0.6	0.9	6.8	77	19.5
3	0.5	0.2	0.6	0.8	6.6	62	39.0
	0.75	0.2	0.6	0.9	7.0	78	26.0
	1.0	0.2	0.6	0.9	7.5	90	19.5

HO7RN-F Heavy Duty Rubber Cable



Application

For general use in dry, humid and wet locations, for outdoor use, for agricultural applications or in locations subject to fire and explosion hazards. Also suitable for connections of industrial and workshop electrical equipment submitted to medium level mechanical stress. Can be used for fixed installations in temporary buildings as well as for connections of mobile machines and hoists. Allowed up to 1000V(600/1000V) alternating voltage within fixed installation in tubes or devices as well as connection cable for motors and similar.

Construction

Fine copper strands, acc.to VDE 0295, IEC 60288, BS 6360, class 5. Ethylene-propylene rubber (EPR) core insulation EI4 to VDE-0282 Part-1 Polychloroprene rubber (Neoprene) jacket EM2, black colour

Core identification

- 1 core - black
- 2 core - blue, brown
- 3 core - green/yellow, brown, blue
- 4 core - green/yellow, brown, black, grey
- 5 core - green/yellow, blue, brown, black, grey
- 6 core & above - green/yellow & black with printed number

Features

- Good mechanical strength
- High ozone and weather resistance
- Good aging resistance
- Low flammability
- Good resistance toward chemicals Moderate oil

No. of cores	Nominal cross-sectional area of conductor	Max. diameter Of wires	Thickness of insulation	Thickness of over sheath	Approx overall diameter	Approx net weight	Electrical Characteristics Cond. Resistance D. C. at 20oC
No	mm ²	mm	mm	mm	mm	kg/km	Ohm/km
1	1.5	0.26	0.8	1.4	6.0	55	13.7
	2.5	0.26	0.9	1.4	6.7	73.0	8.21
	4	0.31	1.0	1.5	7.6	99	5.09
	6	0.31	1.0	1.6	8.4	130	3.39
	10	0.41	1.2	1.8	10.5	201	1.95
	16	0.41	1.2	1.9	12.0	280	1.24
	25	0.41	1.4	2.0	14.0	400	0.795
	35	0.41	1.4	2.2	15.5	540	0.565
	50	0.41	1.6	2.4	18.5	750	0.393
	70	0.51	1.6	2.6	21.0	1000	0.277
	95	0.51	1.8	2.8	24.0	1310	0.210
	120	0.51	1.8	3.0	27.0	1630	0.164
	150	0.51	2.0	3.2	30.0	2000	0.132
	185	0.51	2.2	3.4	33.0	2420	0.108
	240	0.51	2.4	3.5	35.0	2980	0.0817
	300	0.51	2.6	3.6	40.0	3750	0.0654
400	0.51	2.8	3.8	43.0	4790	0.00495	
500	0.61	3.0	4.0	48.0	5930	0.0391	

HO7RN-F Heavy Duty Rubber Cable



No. of cores	Nominal cross-sectional area of conductor	Max. diameter Of wires	Thickness of insulation	Thickness of over sheath	Approx overall diameter	Approx net weight	Electrical Characteristics Cond. Resistance D. C. at 20oC
No	mm ²	mm	mm	mm	mm	kg/km	Ohm/km
2	1.0	0.21	0.8	1.3	8.4	100	20.0
	1.5	0.26	0.8	1.5	9.4	130	13.7
	2.5	0.26	0.9	1.7	11.5	190	8.21
	4	0.31	1.0	1.8	13.0	260	5.09
	6	0.31	1.0	2.0	14.5	350	3.39
	10	0.41	1.2	3.1	19.5	620	1.95
	16	0.41	1.2	3.3	22.0	850	1.24
3	25	0.41	1.4	3.6	27.0	1250	0.795
	1.0	0.21	0.8	1.4	9.1	125	20.0
	1.5	0.26	0.8	1.6	10.1	160	13.7
	2.5	0.26	0.9	1.8	12.0	230	8.21
	4	0.31	1.0	1.9	14.0	320	5.09
	6	0.31	1.0	2.1	15.5	425	3.39
	10	0.41	1.2	3.3	21.0	765	1.95
	16	0.41	1.2	3.5	24.0	1060	1.24
	25	0.41	1.4	3.8	29.0	1560	0.795
	35	0.41	1.4	4.1	33.0	2050	0.565
4	50	0.41	1.6	4.5	39.0	2870	0.393
	70	0.51	1.6	4.8	44.0	3780	0.277
	95	0.51	1.8	5.3	51.0	5060	0.210
	120	0.51	1.8	5.6	56.0	6200	0.164
	150	0.51	2.0	6.0	63.0	7680	0.132
	185	0.51	2.2	6.4	69.0	9290	0.108
	1.0	0.21	0.8	1.5	10.0	155	20.0
	1.5	0.26	0.8	1.7	11.5	200	13.7
	2.5	0.26	0.9	1.9	13.5	290	8.21
	4	0.31	1.0	2.0	15.5	400	5.09
5	6	0.31	1.0	2.3	17.5	540	3.39
	10	0.41	1.2	3.4	23.0	930	1.95
	16	0.41	1.2	3.6	26.0	1300	1.24
	25	0.41	1.4	4.1	32.0	1950	0.795
	35	0.41	1.4	4.4	36.0	2580	0.565
	50	0.41	1.6	4.8	43.0	3600	0.393
	70	0.51	1.6	5.2	49.0	4800	0.277
	95	0.51	1.8	5.9	57.0	6450	0.210
	120	0.51	1.8	6.0	62.0	7850	0.164
	150	0.51	2.0	6.5	70.0	9750	0.132
6	1.0	0.21	0.8	1.6	11.5	190	20.0
	1.5	0.26	0.8	1.8	12.5	240	13.7
	2.5	0.26	0.9	2.0	15.0	350	8.21
	4	0.31	1.0	2.2	17.0	500	5.09
	6	0.31	1.0	2.5	19.0	670	3.39
	10	0.41	1.2	3.6	25.0	1140	1.95
	16	0.41	1.2	3.9	29.0	1610	1.24
25	0.41	1.4	4.4	35.0	2440	0.795	



Application

- 1) These cables are most suitable for direct burial or for installation on trays or ducts, Where there is a risk of mechanical damage, armoured cables should be used.
- 2) For laying in ground along route with large difference of level able to bear external mechanical forces.

Description

This pvc cable is produced against IEC60502 and IEC60331, And the product can be produced against the standard of BS, DN, and the standard required by the clients.

1. The long-term permissible operating temperature of the cable conductor shall not be higher than 70°C
2. The max temperature of the conductor of power cable should less than 160 when short circuit. (less than 5 second)
3. The pvc insulated power cable is not limited by drop in level when being laid, and the environment temperature shall not be lower than 0 °C
4. Perfect chemical stability, resistant against acids, alkalis, grease and organic solvents, and flame retardance
5. Light weight, perfect bending properties, installed and maintained easily and conveniently
6. Rated voltage: 0.6/1kV, 3.6/6kV
7. Insulation/Sheath: PVC
8. Number of cores: One, two, three, four, five

Specification: Type of cable

Type	Designation	Application
VV	Copper conductor ,PVC insulated , PVC sheathed power cable	For laying indoors, in tunnel or cable trench,unable to bear external mechanical forces. Single core cable is not permissible to lay in magnetic duct
VLV	Aluminium conductor ,PVC insulated , PVC sheathed power cable	
VY	Copper conductor, PVC insulated, PE sheathed power cable	
VLY	Aluminium conductor ,PVC insulated , PE sheathed power cable	
VV22	Copper conductor ,PVC insulated ,steel tape armoured ,PVC sheathed power cable	For laying indoors, in cable trench or direct in ground ,able to bear external mechanical forces, but unable to bear pulling force
VLV22	Aluminium conductor ,PVC insulated ,steel tape armoured ,PVC sheathed power cable	
VV23	Copper conductor ,PVC insulated ,steel tape armoured ,PE sheathed power cable	
VLV23	Aluminium conductor ,PVC insulated ,steel tape armoured ,PE sheathed power cable	
VV32	Copper conductor, PVC insulated, steel wire armoured,PVC insulated power cable	For laying indoors, in cable or direct in ground ,able to bear external mechanical forces, but unable to bear large pulling forces
VLV32	Aluminium conductor, PVC insulated ,steel tape armoured ,PVC sheathed power cable	
Vv33	Copper conductor, PVC insulated steel wire armoured , PE sheathed power cable	
VLV33	Aluminium conductor , PVC insulated , steel wire armoured ,PE sheathed power cable	

Note: The armoured single core cables is only used for D.C.system. As for A.C.system, non-magnetic armored material should be applied



Product data cable

0.6/1KV, 1-CORE, PVC Insulated ,PVC/PE Sheathed Power cable

Nominal Cross-sectional area(mm ²)	Diameter of Conductor mm	VV VLV VLY VY				VV22 VLV22 VV23 VLV23					
		Approx overall Diameter mm	Cable weight, max Kg/km				Approx .overall Diameter mm	Cable weight, max Kg/km			
			VV	VY	VLV	VLY		VV22	VV23	VLV22	VLV23
1 x 1.5	0.8	5.6	52								
1 x 2.5	0.8	6.0	65	50							
1 x 4	1.0	6.4	83	58							
1 x 6	1.0	7.0	106	69							
1 x 10	1.0	8.3	157	94	11.7			233		170	
1 x 16	1.0	9.3	221	121	12.7			305		205	
1 x 25	1.2	11.2	334	175	14.4			426		267	
1 x 35	1.2	12.4	435	215	15.6			536		316	
1 x 50	1.4	14.1	576	278	17.1			680		382	
1 x 70	1.4	16.1	793	362	19.1			912		481	
1 x 95	1.6	18.2	1066	468	21			1188		590	
1 x 120	1.6	20	1321	565	22.8			1454		698	
1 x 150	1.8	22	1606	677	24.8			1751		823	
1 x 185	2.0	24.2	1977	813	27			2140		976	
1 x 240	2.2	27.1	2548	1018	29.9			2729		1200	
1 x 300	2.4	29.7	3151	1232	32.7			3363		1445	
1 x 400	2.6	33.1	3985	1531	38.1			4595		2142	
1 x 500	2.8	36.8	4996	1902	41.8			5667		2574	
1 x 630	2.8	41.1	6294	2372	46.3			7084		3132	
1 x 80	2.8	45.7	4920	2592	50.9			8757		3789	

0.6/1KV, 3-core, PVC Insulated ,PVC/PE Sheathed power cable

Nominal Cross-sectional area(mm ²)	Diameter of Conductor mm	VV VLV VLY VY				VV22 VLV22 VV23 VLV2				VV32 VV33 VLV32 VLV33					
		Approx overall Diameter mm	Cable weight, max Kg/km				Approx overall Diameter mm	Cable weight, max Kg/km							
			VV	VY	VLV	VLY		VV22	VV23	VLV22	VLV23	VV32	VV33	VLV32	VLV33
3 x 1.5	0.8	10.8	132												
3 x 2.5	0.8	11.7	174	125											
3 x 4	1.0	13.5	244	144	15.3	363	289								
3 x 6	1.0	14.7	318	206	16.5	447	335								
3 x 10	1.0	17.4	479	289	19.2	620	429	23.0	1172	981					
3 x 16	1.0	19.7	680	378	21.5	840	538	25.3	1457	1155					
3 x 25	1.2	23.4	1021	542	25.2	1212	734	29.0	1936	1458					
3 x 35	1.2	25.9	1337	673	27.7	1551	887	31.7	2359	1695					
3 x 50*	1.4	25.5	1634	793	27.3	1844	1004	31.3	2906	2065					
3 x 70*	1.4	28	2272	1058	30.4	2818	1604	24.8	3727	2514					
3 x 95*	1.6	32.2	3113	1428	34.8	3741	2056	39.0	5178	3494					
3 x 120*	1.6	35.9	3844	1719	38.3	4542	2396	42.5	6087	3962					
3 x 150*	1.8	40.0	4735	2113	41.4	5489	2866	48.2	7241	4619					
3 x 185*	2.0	44.1	5879	2598	45.3	6702	3421	52.3	8620	5339					
3 x 240*	2.2	49.0	7629	3317	50.2	8555	4242	57.6	10720	6408					
3 x 300*	2.4	52.5	9502	4092	54.1	10524	5114	61.1	12929	7519					
3 x 400*	2.6	59.2	12773	5504	60.4	14053	6785	69.7	18134	10865					

*Compacted stranded Circular conductor



0.6/1KV, 4-core, PVC Insulated ,PVC/PE Sheathed power cable

Nominal Crosssectional area(mm ²)	Diameter of Conductor mm	VV VLV VLY VY				VV22 VLV22 VV23 VLV2				VV32 VV33 VLV32 VLV33			
		Approx overall Diameter mm	Cable weight, max Kg/km		Approx overall Diameter mm	Cable weight, max Kg/km		Approx overall Diameter mm	Cable weight, max Kg/km				
			VV VY	VLV VLY		VV22 VV23	VLV22 VLV23		VV32 VV33	VLV32 VLV33			
4 x 1.5	0.8	11.6	160										
4 x 2.5	0.8	12.6	211	149									
4 x 4	1.0	14.7	304	206	16.5	434	336						
4 x 6	1.0	15.9	400	250	17.7	542	392						
4 x 10	1.0	19	609	355	20.8	764	510	24.6	1362	1108			
4 x 16	1.0	21.1	871	468	23.4	1048	645	27.2	1719	1316			
4 x 25	1.2	25.7	1316	678	27.5	1529	891	31.5	2333	1695			
4 x 35	1.2	28.5	1732	846	30.3	1969	1084	35.3	3145	2260			
4 x 50*	1.4	28.3	2160	1040	32.1	2703	1583	35.1	3557	2437			
4 x 70*	1.4	31.7	3029	1411	35.7	3616	1999	39.3	4607	2989			
4 x 95*	1.6	38.7	4126	1880	41.3	4845	2599	46.9	6498	4252			
4 x 120*	1.6	42.2	5104	2271	45.4	5886	3032	51.3	7675	4841			
4 x 150*	1.8	47.9	6266	2770	51.1	7124	3628	57.1	9126	5630			
4 x 185*	2.0	53.3	7763	3388	56.3	8702	4327	63.8	10895	6520			
4 x 240*	2.2	58.3	10046	4296	60.9	11097	5347	68.6	13562	7813			
4 x 300*	2.4	62.3	12523	5310	66.1	13693	6480	72.6	17419	10206			
4 x 400*	2.6	64.6	16851	7159	71.4	18282	8590	78.3	22858	13167			

*Compacted stranded sector conductor

Main technical data of cable

Nominal cross sectional area Of conductor mm ²	Max.D.C resistance of conductor at 20°C	
	Copper conductor	Aluminum conductor
1	18.1	
1.5	12.1	
2.5	7.41	12.1
4	4.61	7.41
6	3.08	4.61
10	1.83	3.08
16	1.15	1.91
25	0.727	1.20
35	0.524	0.868
50	0.387	0.641
70	0.268	0.443
95	0.193	0.320
120	0.153	0.253
150	0.124	0.206
185	0.0991	0.164
240	0.0754	0.125
300	0.0601	0.100
400	0.0470	0.0778
500	0.0366	0.0605
630	0.0283	0.0469
800	0.0221	0.0367

Power Frequency A.C.voltage Test KV/5Min Test voltage 3.5KV/5min



Installation and Operation Condition of Cable

In air

1. The distance between centers of single-core cables laid in parallel: cross-sectioned area of conduct $\leq 185\text{mm}^2$: 2 times of the cable sianceter; cross-sectioned area of conduct $\geq 240\text{mm}^2$:90mm
2. Ambient air temperature :40°C
3. Max.contionous operating temperature of conductor:70°C

Current carrying rating factors for different ambient air temperature

Ambient air temperature	20°C	25°C	30°C	35°C	40°C	45°C
Rating factor	1.29	1.22	1.15	1.08	1.0	0.91

Direct in the ground

1. The single-core cables are installed separ-tely, the distance between the cable center is 2 times of the cable diameter
2. Soil temperature :25°C
3. Max.Continuous operating temperature of conductor:70°C
4. Thermal resistivity of soil:1.0°C.m/W
5. Depth of direct-bunied :0.7m

Ambient air temperature	20°C	25°C	30°C	35°C	40°C
Rating factor	1.04	1.0	0.96	0.92	0.87

YSLY JZ/OZ PVC Control Flexible Cable



Application

The cable can be used in the construction of machine tools, plants, appliances, air conditioning, installations and power station installation in dry and damp rooms with medium mechanical force.

Construction

Fine copper strands, acc. to VDE 0295, class 5.
 PVC black insulation with continuous white number.
 Earth conductor green/yellow
 Cores twisted in layers
 PVC outer sheath grey colour (JZ with green/yellow, OZ without green/yellow)

Technical data

Rated voltage: 300/500V
 Test voltage: 4000V
 Temperature: 70°C
 Min. Bending radius: 4 X OD (fixed installation)
 15 X OD (flexible installation)
 Reference standard: DIN VDE 0281-13

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X0.5	5.1	35	2X1.0	6.0	53
3G0.5	5.4	42	3G1.0	6.3	63
4G0.5	5.8	50	4G1.0	6.8	76
5G0.5	6.6	64.3	5G1.0	7.4	94
7G0.5	7.1	82.1	7G1.0	8.3	133
8G0.5	8.2	102	8G1.0	9.8	159
10G0.5	9.3	126	10G1.0	10.7	187
12G0.5	9.5	136	12G1.0	10.6	203
14G0.5	9.8	164	14G1.0	11.6	203
16G0.5	10.5	185	18G1.0	13.1	303
18G0.5	11.6	202	21G1.0	14.5	362
21G0.5	12.5	246	25G1.0	15.0	362
25G0.5	13.3	264	34G1.0	17.6	549
30G0.5	14.2	334			
34G0.5	15.0	367	2X1.5	6.5	67
35G0.5	15.6	381	3G1.5	6.9	82

YSLY JZ/OZ PVC Control Flexible Cable



Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X0.75	5.7	46	4G1.5	7.4	101
3G0.75	5.9	54	5G1.5	8.4	67
4G0.75	6.5	66	7G1.5	9.0	160
5G0.75	7.0	79	8G1.5	10.8	207
7G0.75	7.6	106	10G1.5	11.7	248
8G0.75	9.1	131	12G1.5	12.0	277
10G0.75	10.1	155	14G1.5	12.9	313
12G0.75	10.4	172	16G1.5	13.8	362
15G0.75	11.3	207	18G1.5	14.8	402
18G0.75	12.2	247	21G1.5	16.5	488
21G0.75	13.5	292	25G1.5	17.3	490
25G0.75	14.2	333	32G1.5	17.6	705
34G0.75	16.3	449	34G1.5	19.7	728

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2x2.5	7.8	98	3G10	14.9	452
3G2.5	8.4	124	4G10	16.5	575
4G2.5	9.2	155	5G10	25.8	1318
5G2.5	10.4	196			
7G2.5	12.7	248	3G25	23.2	1282
9G2.5	13.8	402	4G25	27.5	1540
12G2.5	15.1	423	5G25	30.7	1914
14G2.5	16.2	492	7G25	34.3	2479
18G2.5	18.2	623			
25G2.5	21.3	830	3G35	27.2	1688
34G2.5	20.3	801	4G35	31.5	2089
			5G35	34.7	2545
2X4	9.0	187			
3G4	10.2	197	3G50	31.5	2553
4G4	11.1	242	4G50	36.9	2962
5G4	12.4	302			
7G4	13.7	390	3G70	39.6	3183
11G4	17.7	634	4G70	44.3	4206
12G4	20.3	801			
			3G95	44.0	4681
3G6	12.0	282	4G95	51.8	5621
4G6	13.2	355			
5G6	14.7	441	3G120	47.8	5623
7G6	16.3	572	4G120	55.7	6828

LiYCY Data Cable



Application

The data cable-LiYCY is suitable as a signal and control cable in electronics of computer systems, electronic control equipment, office machines, tool and machine construction.

Construction

Fine copper strands, acc.to VDE 0295, class 5
PVC black insulation with continuous white number
Earth conductor green/yellow
Cores twisted in layers
Tinned copper shielded
PVC outer sheath grey colour

Technical data

Rated voltage: up to 0.34mm²: 300V from 0.5mm²: 300/500V
Test voltage: up to 0.34mm²: 1000V from 0.5mm²: 2000V
Temperature: 70°C
Min. Bending radius: 5 X OD (fixed installation)
15 X OD (flexible installation)
Reference standard: DIN VDE 0812

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X0.14	3.9	21	12x0.25	7.6	91
3x0.14	4.1	25	14x0.25	8.1	116
4x0.14	4.3	29	16x0.25	8.3	133
5x0.14	4.6	35	18x0.25	8.7	137
6x0.14	5.0	37	21x0.25	9.1	171
7x0.14	5.0	40	24x0.25	10.1	185
8x0.14	5.4	44	25x0.25	10.3	190
9x0.14	5.7	50	27x0.25	10.3	200
10x0.14	6.0	55	30x0.25	10.8	214
12x0.14	6.2	60	32x0.25	11.2	227
14x0.14	6.7	66	36x0.25	11.6	250
16x0.14	7.1	74			
18x0.14	7.4	93	2x0.34	5.0	33
20x0.14	7.7	95	3x0.34	5.2	41
21x0.14	7.7	105	4x0.34	5.6	48
24x0.14	8.3	106	5x0.34	6.2	58
25x0.14	8.8	111	6x0.34	6.9	64
27x0.14	8.8	122	7x0.34	6.9	70
30x0.14	9.0	129	8x0.34	7.4	93
32x0.14	9.3	136	10x0.34	8.4	110
36x0.14	9.6	148	12x0.34	8.7	120
			14x0.34	9.2	137



LiYCY Data Cable

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2x0.25	4.5	29	16x0.34	9.6	152
3x0.25	4.7	35	18x0.34	10.0	166
4x0.25	5.1	44	21x0.34	10.6	202
5x0.25	5.5	50	24x0.34	11.7	252
6x0.25	5.9	58	25x0.34	12.6	254
7x0.25	5.9	60	27x0.35	12.4	258
8x0.25	6.3	67	32x0.34	13.0	296
10x0.25	7.4	81	36x0.34	13.5	322

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2x0.5	5.7	42	2x1.0	6.6	48
3x0.5	5.9	51	3x1.0	6.9	110
4x0.5	6.4	61	4x1.0	7.7	135
5x0.5	7.0	76	5x1.0	8.3	156
6x0.5	7.7	94	6x1.0	9.2	178
7x0.5	7.7	96	7x1.0	9.2	192
8x0.5	8.3	115	8x1.0	10.1	223
10x0.5	9.6	141	10x1.0	11.7	251
12x0.5	9.9	156	12x1.0	12.0	265
16x0.5	11.5	196	14x1.0	12.7	272
18x0.5	12.0	215	16x1.0	13.2	361
20x0.5	12.4	247	18x1.0	14.0	380
24x0.5	13.7	298	20x1.0	14.8	388
25x0.5	13.9	314	25x1.0	17.1	475
27x0.5	13.9	331	30x1.0	17.8	554

2x0.75	6.1	56	2x1.5	7.8	97
3x0.75	6.4	75	3x1.5	8.1	125
4x0.75	7.0	95	4x1.5	8.9	165
5x0.75	7.7	130	5x1.5	9.7	192
7x0.75	8.3	168	6x1.5	10.7	219
8x0.75	9.1	173	7x1.5	10.7	245
10x0.75	10.5	195	8x1.5	11.8	270
12x0.75	10.9	232	10x1.5	13.7	338
14x0.75	11.8	260	12x1.5	14.3	365
16x0.75	12.4	260	14x1.5	15.4	410
18x0.75	12.7	296	18x1.5	16.9	553
20x0.75	13.6	315	20x1.5	17.9	635
25x0.75	15.7	418	25x1.5	20.2	720
30x0.75	16.2	500	30x1.5	20.7	776

CY-JZ/OZ Number Coded Transparent



Application

The cable can be used in the construction of machine tools, plants, appliances, air conditioning, installations and power station installation in dry and damp rooms with medium mechanical force. These cables are ideally products in EMI critical environment.

Construction

Fine copper strands, acc.to VDE 0295, class 5
PVC black insulation with continuous white number
Earth conductor green/yellow
PVC inner sheath grey
Overall tinned copper shield
PVC outer sheath transparent colour (JZ with green/yellow, OZ without green/yellow)

Technical data

Rated voltage: 300/500V
Test voltage: 4000V
Temperature: 70°C
Min. Bending radius: 6 X OD (fixed installation)
20 X OD (flexible installation)
Reference standard: DIN VDE 0245, 0281 part 13

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X0.5	6.9	92	25G1.5	530	889
3G0.5	7.4	103	34G1.5	23.1	1114
4G0.5	7.9	114	3G2.5	10.4	213
5G0.5	8.6	128	4G2.5	11.3	256
7G0.5	9.2	158	5G2.5	12.8	305
12G0.5	11.6	216	7G2.5	13.9	421
14G0.5	12.1	224	12G2.5	17.9	662
18G0.5	13.4	336	18G2.5	21.6	945
21G0.5	14.3	341	4G4	13.5	410
25G0.5	15.5	404	5G4	14.8	480
30G0.5	16.2	469	4G6	16.0	532
40G0.5	18.5	573	5G6	17.4	656
2X0.75	7.5	101	7G6	18.4	798
3G0.75	7.9	116	4G10	19.1	930
4G0.75	8.5	132	5G10	22.6	1080
5G0.75	9.1	156	4G16	22.3	1190
7G0.75	9.9	182	5G16	25.0	1385
12G0.75	13.4	347	4G25	32.5	1910
18G0.75	15.6	478	4G35	35.5	2510
25G0.75	16.9	541	4G50	38.6	3370
34G0.75	19.2	699	4G70	43.8	3815
40G0.75	21.1	771	4G95	49.9	5856
3G1.5	9.1	164			
4G1.5	10.1	188			
5G1.5	10.6	221			
7G1.5	11.5	266			
12G1.5	15.1	438			
18G1.5	389	625			



Iron Cable



Applications:

Especially used for Iron and electrical pot.
Cotton Braided Cable/Steam Iron cable/Braided Iron Cable
H03RT-H for Iron and electrical pot textile braided wire /cable

Construction:

Operating temperature: -15C+60C.
Rated voltage: 300V.
Test voltage: 2000V.
Bare or finned stranded copper conductor.
PVC or EPR insulation.
Natural or synthetic filling (optional)
Textile braided jacket with synthetic or natural fibers.
Standard: IEC60245-8

Specifications:

International Wire Gauge

Type	conductor			Insulation	Textile Braided	Max. Cond. Resist ohm/km/20	
	Area (mm ²)	Construction (No./mm)	Diam. of Single (mm) Max			Overall Diam (mm)	BC
H03RT-H	0.75/2C	38/0.16	0.165	0.80	6.30±0.20	26.8	27.5
	1.0/2C	50/0.16			6.80±0.20	20.1	20.6
	1.5/2C	75/0.16			7.20±0.20	13.7	14.1
	0.75/3C	38/0.16			6.80±0.20	26.8	27.5
	1.0/3C	50/0.16			7.20±0.20	20.1	20.6
	1.5/3C	75/0.16			7.80±0.20	13.7	14.1

American Wire Gauge

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
H03RT-H				
23 AWG	2x0.26(23/0.12mm)	0.80	6.30±0.20	30
18 AWG	2x0.75	0.80	6.30±0.20	36
17 AWG	2x1	0.80	6.80±0.20	52
16 AWG	2x1.5	0.80	7.20±0.20	42
23 AWG	3x0.26(23/0.12mm)	0.80	6.6±0.2	51
18 AWG	3x0.75	0.80	6.80±0.20	60
17 AWG	3x1	0.80	7.20±0.20	54
16(30/30)	3x1.5	0.80	7.80±0.20	74

CVV Control Flexible Cable



Application

For supervisory electrical equipment, station control circuits, outdoor, suitable installation in dry or wet cable trenches. Use for free and not continuous movement application.

Construction

Fine copper strands, acc.to VDE 0295, IEC 60228, class 5
PVC core insulation
black core with continuous white number or
Colour coded cores for 2 to 4 cores
Non-hygroscopic material binding tape
PVC outer sheath black colour

Technical data

Rated voltage: 600/1000V
Test voltage: 3500V
Temperature: 105°C
Min. Bending radius: 4X OD (fixed installation)
15X OD (flexible installation)
Reference standard: IEC 60502

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
14X2.5	19.5	580	34X2.5	30	1400
15X2.5	20.5	640	35X2.5	30	1420
16X2.5	20.5	660	36X2.5	30	1440
17X2.5	22	720	37X2.5	30	1460
18X2.5	22	740	38X2.5	31	1540
19X2.5	22	760	39X2.5	31	1560
20X2.5	23	820	40X2.5	33.5	1570
25X2.5	27	1060	41X2.5	33.5	1670
26X2.5	27	1180	42X2.5	33.5	1690
27X2.5	27	1110	43X2.5	33.5	1700
28X2.5	28	1170	44X2.5	33.5	1720
29X2.5	28	1190	45X2.5	34	1820
30X2.5	28	1210	46X2.5	34	1820
31X2.5	29	1280	47X2.5	34	1840
32X2.5	29	1300	48X2.5	34	1860
33X2.5	29	1330			

CVV Control Flexible Cable



Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)	Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X1.5	9	100	32X1.5	24.5	860
3X1.5	9	120	33X1.5	24.5	870
4X1.5	10	140	34X1.5	25	920
5X1.5	11	180	35X1.5	25	930
6X1.5	12	190	36X1.5	25	950
7X1.5	12	200	37X1.5	25	960
8X1.5	13.5	240	38X1.5	26	1010
9X1.5	14	270	39X1.5	26	1020
10X1.5	15.5	300	40X1.5	26	1100
11X1.5	16	330	41X1.5	28	1110
12X1.5	16	340	42X1.5	28	1110
13X1.5	16.5	370	43X1.5	28	1130
14X1.5	16.5	390	44X1.5	28	1130
15X1.5	17.5	430	45X1.5	28.5	1190
16X1.5	17.5	440	46X1.5	28.5	1190
17X1.5	18.5	480	47X1.5	28.5	1200
18X1.5	18.5	490	48X1.5	28.5	1210
19X1.5	18.5	500			
20X1.5	19.5	540	2X2.5	10.5	140
21X1.5	19.5	550	3X2.5	11	170
22X1.5	20	600	4X2.5	12	210
23X1.5	20	600	5X2.5	13.5	270
24X1.5	21.5	620	6X2.5	14.5	290
25X1.5	22	660	7X2.5	14.5	320
26X1.5	22	680	8X2.5	15.5	360
27X1.5	22	690	9X2.5	16.5	400
28X1.5	22.5	730	10X2.5	18	440
29X1.5	22.5	740	11X2.5	18.5	490
30X1.5	22.5	760	12X2.5	18.5	510
31X1.5	24.5	850	13X2.5	19.5	560

VCT Control Flexible Cable



Application

For mobile-equipment used in mines, factories, farms or household appliances in dry and damp areas

Construction

Fine copper strands, acc.to VDE 0295, IEC 60228, class 5
 PVC core insulation
 PVC outer sheath black colour
 Core identification: 2 Cores - light-grey, black
 3 Cores - light-grey, black, red
 4 Cores - light-grey, black, red, blue

Technical data

Rated voltage: 600/1000V (refer to IEC60502)
 450/750V(refer to TIS 11-2531)
 Test voltage: 3500V
 Temperature: 70°C
 Min. Bending radius: 7.5X OD(fixed installation)
 15X OD (flexible installation)
 Reference standard: 600/1000V (refer to IEC60502),
 450/750V(refer to TIS 11-2531)

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2x1.5	9.2	120
3x1.5	9.7	140
4x1.5	10.9	180
2x2.5	10.1	160
3x2.5	10.6	190
4x2.5	12.0	240

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2x4.0	12.0	230
2x4.0	12.7	280
4x4.0	14.2	350
2x6.0	13.2	290
3x6.0	14.3	370
4x6.0	16.0	480

CY-JZ Number Coded Grey Sheath



Application

The cable can be used in the construction of machine tools, plants, appliances, air conditioning installations and power station installation in dry and damp rooms with medium mechanical force. These cables are ideally products in EMI critical environment.

Construction

Fine copper strands, acc.to VDE 0295, class 5
 PVC black insulation with continuous white number
 Earth conductor green/yellow
 PVC inner sheath grey
 Overall tinned copper shield PVC outer sheath grey colour

Technical data

Rated voltage: 300/500V
 Test voltage: 4000V
 Temperature: 70°C
 Min. Bending radius: 6 X OD(fixed installation)
 20 X OD (flexible installation)
 Reference standard: DIN VDE 0245, 0281 part 13

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
2X0.5	6.9	92
3G0.5	7.4	103
4G0.5	7.9	114
5G0.5	8.6	128
7G0.5	9.2	158
12G0.5	11.6	216
14G0.5	12.1	224
18G0.5	13.4	336
21G0.5	14.3	341
25G0.5	15.5	404
30G0.5	16.2	469
2X0.75	7.5	101
3G0.75	7.9	116
4G0.75	8.5	132
5G0.75	9.1	156
7G0.75	9.9	182
12G0.75	13.4	347
18G0.75	15.6	478
25G0.75	16.9	541
34G0.75	19.2	699
3G1.0	8.3	135
4G1.0	8.8	155
5G1.0	9.7	181
7G1.0	10.5	203
12G1.0	13.4	347
18G1.0	15.6	478
25G1.0	18.0	645
34G1.0	20.7	865

Nominal Cross sectional area of conductor (mm ²)	Outer diameter approx. (mm)	Cable Weight (Kg/Km)
3G1.5	9.1	164
4G1.5	10.1	188
5G1.5	10.6	221
7G1.5	11.5	266
12G1.5	15.1	438
18G1.5	389	625
25G1.5	530	889
3G2.5	10.4	213
4G2.5	11.3	256
5G2.5	12.8	305
7G2.5	13.9	421
12G2.5	17.9	662
18G2.5	21.6	945
4G4	13.5	410
5G4	14.8	480
4G6	16.0	532
5G6	17.4	656
7G6	18.4	798
4G10	19.1	930
5G10	22.6	1080
4G16	22.3	1190
5G16	25.0	1385
4G25	32.5	1910
4G35	35.5	2510