EASTFUL

CENTENNIAL EASTFUL, WORLD-CLASS EASTFUL

PRODUCT MANUAL

Eastful Group Co.,Ltd.

Your preferred designer, manufacturer and global supplier of electrical and industrial solutions

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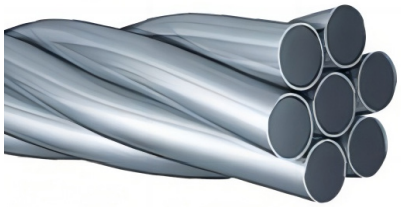
Headquarters: No.466 Kecheng Rd., Chongqing, China | Factory: Shuangfu Industrial Park, Jiangjin District, Chongqing,China

Galvanized Steel Strands



Application

The cable serves as an overhead ground wire, shielding transmission lines from lightning damage, and is widely employed by power utilitiesand manufacturers in formed wire and opticalground wire sectors. Its robustness, longevity, and resistance to corrosion make it a fundamental element in overhead conductors. The galvanized coating provides protection against rust andcorrosion, rendering it suitable for outdoor use in diverse weather conditions.

Specifications

-IEC Standard: IEC 61089
-American Standard: ASTM B 415, ASTM B 416, ASTM B549, ASTM B502, ASTM B230, ASTM B228, ASTM A363/A 475
-BS Standard: BS 183
-DIN Standard: DIN 48201
-AS/NZS Standard: AS/NZS 1222.2
-GOST Standard: GOST 3063

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TUV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
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Technical Parameters

Name	Nominal Section Area
ACS	50.32 mm^2 to 620.60mm^2
CCS	46.42 mm^2 to 318.5mm^2
GSW	9.43mm^2 to 158mm^2

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Application

This cable is used for overhead electric power transmission, particularly for long-distance transfersfrom power generation facilities to substations. Its application extends tothe distribution of electricity to residential, commercial, and street areas. Moreover, it plays a significant rolein the reconstruction of electrified wire networks in urban and forest regions, thereby enhancing safety and reliability.

Specifications

-IEC Standard: IEC 61089, IEC 62004, IEC 1232
-BS Standard: BS 215 Part 1, BS 215 Part 2, BS EN50182, BS 3242, BS EN 50183
-American Standard: ASTM B 231, ASTM B-230, ASTM B-232, ASTM B549, ASTM B399, ASTM B856, ASTM B711
-DIN Standard: DIN 48201, DIN 48204
-CSA Standard: CAN/CSA-C61089
-NF C Standard: NF C 34-125
-AS/NZS Standard:AS/NZS 1531, AS/NZS 3607
-JIS Standard: JIS C 3109
-ABNT NBR Standard: ABNT NBR 7271, ABNT NBR 5369
-GOST Standard:GOST 839-80

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Technical Parameters

Type	Standard		
	BS,AS/NZS	ASTM,CSA	IEC,DIN
AAC	22mm^2 to 750mm^2	6AWG to 3500kcmil	16mm^2 to 1500mm^2
ACSR	10mm^2 to 500mm^2	6AWG to 1590kcmil	16mm^2 to 1250mm^2
ACSR AW	10mm^2 to 500mm^2	6AWG to 1590kcmil	16mm^2 to 1250mm^2
AAAC	15mm^2 to 700mm^2	6AWG to 1000kcmil	16mm^2 to 1250mm^2
ACAR	16mm^2 to 1400mm^2	4AWG to 3000kcmil	16mm^2 to 1400mm^2
ACSS	-	266.8kcmil to 1590kcmil	-
AACSR	10mm^2 to 500mm^2	6AWG to 1590kcmil	16mm^2 to 1250mm^2
STACIR			261.5mm^2, 484.5mm^2, 597mm^2

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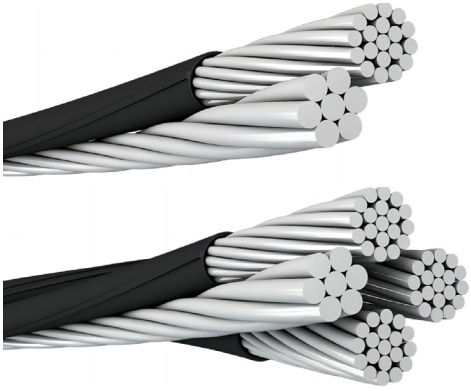
Overhead Insulated Cables



Application

This cable is commonly used for overhead power distribution systems andspecifically engineered for installation above ground, often on utility poles, facilitating the transmission of electricity from the power source to end users.

Performance

Electrical performance(U_0/U): 0.6/1kV, 3.8/6.6kV, 6.35/11kV(6/10kV), 8.7/15kV, 12.7/22kV (12/20kV),19/33kV(18/30kV)
Chemical performance: chemical, UV&oil resistance
Mechanical performance(minimum bending radius): 10x O.D.
Thermal performance:
-Maximum service temperature: 90℃
-Maximum short-circuit temperature: 250℃(Max.5s)
-Minimum service temperature: -40℃

Specifications

-American Standard:
ICEA S-61-402, ANSI/ICEA S-76-47, ICEA S-121-733
-BS Standard: BS 7870-5
-AS/NZS Standard: AS/NZS 3560.1, AS/NZS 3599-1
-NFC Standard: NFC 33-209
-IEC Standard: IEC 60502-1
-SANS Standard: SANS 1418
-HD Standard: HD 626
-ABNT NBR Standard: ABNT NBR 8182
-NTP Standard: NTP 370.254
-ASTM Standard:
ASTM B230, ASTM B400, ASTM B231, ASTM B232
-ABNT NBR Standard:
ABNT EB-2173, ABNT/NBR 11873, ABNT/NBR NM 280
-Mexican Standard: CFE E0000-29, CFE-E0000-09, NOM-063, LFC GDD-030, NMX-J-032/058/054/061
-SANS Standard: SANS 1713:2017
-GOST Standard: GOST 839-80, GOST 31946

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Technical Parameters

Name	Voltage	Nominal Section Area
Covered Line Wire	0.6/1kV	6 AWG to 1033.5kcmil
Duplex Service Drop Wire (PSD)	0.6/1kV	1x6AWG+1x6AWG to 1x1/0AWG+1x1/0AWG
Triplex Service Drop Wire (PSD)	0.6/1kV	2x6AWG+1x6AWG to 2x336.4kcmil+1x336.4kcmil
Quarduplex Service Drop Wire (PSD)	0.6/1kV	3x4AWG+1x4AWG to 3x336.4kcmil+1x336.4kcmil
Aerial Bundled Cable(ABC Cable)	0.6/1kV	1x10mm^2 to 1x185mm^2 2x10mm^2 to 2x70mm^2 3x10mm^2 to 3x120mm^2 4x10mm^2 to 4x120mm^2 1x16mm^2+16mm^2 to1x50mm^2+50mm^2 2x16mm^2+16mm^2 to 2x50mm^2+50mm^2 3x16mm^2+16mm^2 to 3x120mm^2+70mm^2 4x95mm^2+35mm^2
Aerial Bundled Cable(Supporting Catenary)	3.8/6.6kV	Type A: 95mm², 120mm², 150mm², 185mm² Type B: 35mm², 50mm², 70mm², 95mm², 120mm², 150mm², 185mm²
	6.35/11kV	Type A: 95mm², 120mm², 150mm², 185mm² Type B: 35mm², 50mm², 70mm², 95mm², 120mm², 150mm², 185mm²
	12.7/22kV	Type A: 95mm², 120mm², 150mm², 185mm² Type B: 35mm², 50mm², 70mm², 95mm², 120mm², 150mm², 185mm²
	19/33kV	Type A: 95mm², 120mm², 150mm², 185mm² Type B: 35mm², 50mm², 70mm², 95mm², 120mm², 150mm², 185mm²
Pre-assembled Cable	0.6/1kV	1x10mm^2+10mm^2 to 1x70mm^2+70mm^2 2x10mm^2+10mm^2 to 2x70mm^2+70mm^2 3x10mm^2+10mm^2 to 3x120mm^2+120mm^2
CAAI Cable	0.6/1kV	1x16mm^2 to 1x150mm^2 2x16mm^2 to 2x35mm^2 3x16mm^2 to 3x70mm^2 4x16mm^2 to 4x25mm^2 1x16mm^2+ND25mm^2 to 1x25mm^2+NA25mm^2 2x16mm^2+ND25mm^2 to 2x35mm^2+16mm^2 3x25mm^2+16mm^2 to 3x120mm^2+16mm^2
SIP Cable	0.6/1kV	1x10mm^2 to 1x240mm^2 2x10mm^2 to 2x240mm^2 3x10mm^2 to 3x240mm^2 4x10mm^2 to 4x240mm^2 1x16mm^2 + 1 x 25mm^2 3x16mm^2 + 1x25mm^2 to 3x240mm^2 + 1x95mm^2
SIP Cable	20kV/30kV	1x35mm^2 to 1x240mm^2

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Technical Parameters

Name	Voltage	Nominal Section Area
Tree Wire Spacer Cable	15kV	1/0AWG to 795kcmil
	25kV	1/0AWG to 795kcmil
	35kV	1/0AWG to 795kcmil
Ecological Cable	15kV	1/0AWG to 500kcmil(AAC) 1/0AWG to 477kcmil(ACSR)
	25kV	1/0AWG to 500kcmil(AAC) 1/0AWG to 477kcmil(ACSR)
Semi-insulated Cable	15kV	1/0AWG to 397.5kcmil(Double&Three Layer)
	25kV	1/0AWG to 397.5kcmil(Double&Three Layer)
	35/38kV	1/0AWG to 397.5kcmil(Double&Three Layer)
Protected Aluminum Cable	15kV	35mm²,50mm²,70mm²,95mm²,120mm²,150mm², 185mm²,240mm²,300mm²,(Double&Three Layer)
	25kV	35mm²,50mm²,70mm²,95mm²,120mm²,150mm², 185mm²,240mm²,300mm²,(Double&Three Layer)
	35kV	35mm²,50mm²,70mm²,95mm²,120mm²,150mm², 185mm²,240mm²,300mm²,(Double&Three Layer)

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Secondary URD Cables

Application

Secondary URD cables are used in underground distribution systems to supply electricity to residential, commercial, and industrial buildings. They are typically buried underground, providing a safe and reliable method of power delivery while minimizing visual impact and potential hazards associated with overhead lines. Moreover, URD cables facilitate the integration of renewable energy sources into the grid and are vital for upgrading aging distribution systems, ensuring reliable power delivery and meeting the evolving needs of communities.

Construction

Secondary URD Cable with Aluminum Conductor features 1350-H19,H16 or H26 aluminum conductor, insulated with materials of cross-linked polyethylene (XLPE), surrounded by a durable outer jacket, providing mechanical protection and resistance to environmental factors, ensuring safe and reliable underground electrical distribution to residential, commercial, and industrial areas.

Specification

-ASTM Standard: ASTM B-230/231, ASTM B-786-19, ASTM B-901
-ICEA Standard: ICEA S-105-692

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Technical Parameters

Name	Voltage	Nominal Section Area
Single Conductor	600V	6 to 4/0 AWG, 250 to 1000kcmil
Duplex Conductor	600V	8 to 2 AWG
Triplex Conductor	600V	6 to 4/0 AWG, 250 to 750kcmil
Quadruplex Conductor	600V	4 to 4/0 AWG, 350 to 750kcmil

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Application

Covered conductors are vital for primary and secondary overhead distribution, especially where space is limited for rights-of-way. Installed like bare conductors, their covering prevents direct shorts and flashovers if tree limbs or objects come into contact, crucial in tight spaces. Tree Wire is used where trees crowd the right-of-way, reducing power outages from conductor-tree interactions, minimizing trimming needs. Covered Aerial MV Cable, installed with other cables and spacers, reduces space and hardware in congested areas. Spacer Cable, installed with other spacers, also minimizes space and hardware, particularly in crowded regions.

Construction

AAC (1350-H19), AAAC, or ACSR conductors are concentrically stranded and come with options for black or gray track-resistant, high-density polyethylene (HDPE) or black track-resistant cross-linked polyethylene (XLP) covering.
Conductor: longitudinally water-tight stranded all-aluminum alloy (AAAC) or aluminum conductor steel reinforced (ACSR)
Conductor Screen: water-swellable semi-conducting tape (if necessary) and extruded semi-conducting compound.
Inner Insulation: XLPE
Outer Insulation: UV protected and anti-tracking, colored black XLPE or HDPE.

Specifications

-ASTM Standard: ASTM B-230/231/232/398/399/400, ASTM D-1248/2656, ASTM C-8.35
-American Standard: ICEAS-61-402, ANSI/ICEA S-70-547
-BS Standard: BS 6485, BS EN 50397-1, BS EN 50182,
-IS Standard: IS 398-2, IS 398-4
-IEC Standard: IEC 61089
-AS/NZS Standard: AS/NZS 3675

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Technical Parameters

Code	Voltage	Nominal Section Area
Tree Wire(one layer)	5kV	4 to 4/0 AWG, 250 to 500kcmil (AAC) 4 to 4/0 AWG, 266.8 to 477kcmil (ACSR)
	15kV	4 to 4/0 AWG, 266.8 to 500kcmil (AAC) 4 to 4/0 AWG, 266.8 to 477kcmil (ACSR)
Tree Wire(two layer)	15kV	4 to 4/0 AWG, 266.8 to 795kcmil (ACSR) 4 to 4/0 AWG, 266.8 to 636kcmil (AAAC) 1/0 to 4/0 AWG, 266.8 to 636kcmil (AAC)
Tree Wire(three layer)	15kV	4 to 4/0 AWG, 266.8 to 636kcmil (ACSR) 4 to 4/0 AWG, 266.8 to 636kcmil (AAAC) 1/0 to 4/0 AWG, 266.8 to 795kcmil (AAC)
	25kV	1/0 to 4/0 AWG, 266.8 to 556.5kcmil (ACSR) 4 to 4/0 AWG, 266.8 to 795kcmil (AAAC) 1/0 to 4/0 AWG, 266.8 to 795kcmil (AAC)
	35kV	1/0 to 4/0 AWG, 266.8 to 795kcmil (ACSR) 4 to 4/0 AWG, 266.8 to 556.5kcmil (AAAC) 1/0 to 4/0 AWG, 266.8 to 795kcmil (AAC)
BS EN 50397	15kV, 25kV	$35mm^2$, $50mm^2$, $70mm^2$, $95mm^2$, $120mm^2$, $150mm^2$, $185mm^2$, $240mm^2$, $300mm^2$
BS EN 50397	35kV	$70mm^2$, $95mm^2$, $120mm^2$, $150mm^2$, $185mm^2$, $240mm^2$, $300mm^2$
AS/NZS 3675(Alloy 6201)	11kV, 22kV, 33kV	$7x3.75mm^2$ to $7x4.75mm^2$, $9x3.5mm^2$
AS/NZS 3675(Alloy 1120)	11kV, 22kV, 33kV	$7x2.75mm^2$ to $7x4.75mm^2$, $9x3.5mm^2$
BS 6485(Cooper conductor)		$14mm^2$ to $100mm^2$
BS 6485(AAC)		$22mm^2$ to $750mm^2$
BS 6485(ACSR)		$25mm^2$ to $200mm^2$

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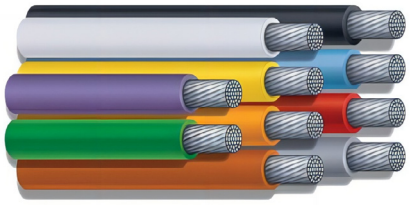

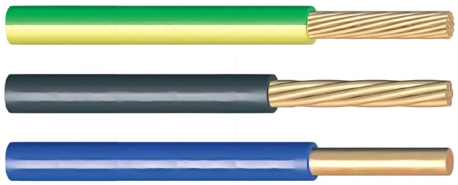

Application

This wire is primarily designed for fixed installations and serves as a crucial component for connecting power, lighting electronic equipment, instruments, and telecommunication devices. Its role isindispensable in establishing secure and dependable electrical connections throughout buildings. Furthermore, it can be employed for interconnecting control systems, securitysetups, and communication networks within the building in frastructure, enhancing overall functionality and efficiency.

Performance

Electrical performance(U_0/U): 450/750V,300/500V, 600V
Chemical performance: chemical, UV&oil resistance
Mechanical performance(minimum bending radius): 4x O.D.
Thermal performance:
-Nominal operating temperature: 70℃
-Maximum short circuit temperature: 160℃(Max.5s)
-Minimum service temperature: -40℃

Core Identification

Black, red, blue, white, green, brown, orange, yellow, and gray.

Specifications

-IEC Standard: IEC 60227
-BS Standard: BS 6004,BS EN 50525-2-11
-ASTM Standard: ASTM B800 B801 B836
-AS/NZS Standard: AS/NZS 5000

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Technical Parameters

Code	Voltage	Nominal Section Area
IEC 60227	300/500V	0.5mm^2, 0.75mm^2, 1mm^2
IEC 60227	450/750V	1.5mm^2, 2.5mm^2, 4.0mm^2, 6.0mm^2, 10mm^2, 16mm^2, 25mm^2, 35mm^2, 50mm^2
H05V-U,H07V-U	300/500V	0.5mm^2, 0.75mm^2, 1mm^2
H05V-U,H07V-U	450/750V	1.5mm^2, 2.5mm^2, 4.0mm^2, 6.0mm^2, 10mm^2, 16mm^2, 25mm^2, 35mm^2, 50mm^2
H05V-R,H07V-R	300/500V	0.5mm^2, 0.75mm^2, 1mm^2
H05V-R,H07V-R	450/750V	1.5mm^2, 2.5mm^2,4 .0mm^2, 6.0mm^2, 10mm^2, 16mm^2, 25mm^2, 35mm^2, 50mm^2
H05V-K,H07V-K	300/500V	0.5mm^2, 0.75mm^2, 1mm^2
H05V-K,H07V-K	450/750V	1.5mm^2, 2.5mm^2, 4.0mm^2, 6.0mm^2, 10mm^2, 16mm^2, 25mm^2, 35mm^2, 50mm^2
H03VV-F,H05VV-F	300/500V	2x0.5mm^2 to 2x6.0mm^2 3x1.0mm^2 to 3x6.0mm^2 4x1.0mm^2 to 4x16.0mm^2 5x1.0mm^2 to 5x16.0mm^2 6x1.0mm^2 to 6x16.0mm^2
H05VVH-U ,H07VVH-U	450/750V	2x0.75mm^2 to 2x4.0mm^2 3x0.75mm^2 to 3x6.0mm^2 2x0.75mm^2+E to 2x4.0mm^2+E
TW,THW, THW-2	600V	14 AWG - 4/0 AWG ;250kcmil - 1000kcmil
XHHW,XHHW-2	600V	6 AWG - 4/0 AWG ;250kcmil - 900kcmil
THHN,THWN,THWN-2	600V	8 AWG - 4/0 AWG ;250kcmil - 1000kcmil
TPS	300/500V	2x1mm^2+1mm^2 2x1.5mm^2+1.5mm^2 2x2.5mm^2+2.5mm^2 2x4mm^2+2.5mm^2 2x6mm^2+2.5mm^2 2x10mm2+4mm^2 2x16mm^2+6mm^2

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Application

These low voltage cables arespecifically designed for supplying electricity in low voltage installation systems. They are versatile, suitable for both indoor and outdoor installations, including cable ducts, underground applications, power and switching stations, local energy distributions, and industrial plants where the risk of mechanical damage is minimal.

Performance

Electrical performance(U_0/U): 0.6/1kV
Chemical performance: chemical, UV&oil resistance
Mechanical performance (Minimum bending radius):
-single core unarmoured cable: 20 x O.D.
-single core AWA or aluminum tape armoured cable: 15 x O.D.
-multi core unarmoured cable: 15 x O.D.
-multi core SWA or STA armoured cable: 12 x O.D.
Thermal performance:
-Maximum service temperature: 90℃
-Maximum short-circuit temperature: 250℃(Max.5s)
-Minimum service temperature: -10℃
Fire performance:
-Flame retardant according to IEC/EN 60332-1-2 standard
-Reduced emission of halogens chlorine: <15%

Construction

Conductor: stranded compacted copper or aluminum conductor,class 2
Conductor Screen: semi-conductive compound
Insulation:XLPE (cross-linked polyethylene)
-alternative:PVC (Polyvinyl Chloride)
-alternative:EPR (Ethylene Propylene Rubber)
Insulation Screen:semi-conductive compound
Metallic Screen: individual concentric copper wires or copper tape
Optional Filler:PET(polyethylene terephthalate) fibres
Binding Tape: polyester tape or non-woven fabric
Optional Inner Sheath: PVC(Polyvinyl chloride)
-alternative: LSZH (Low Smoke Zero Halogen)
Optional Armoring:
AWA (Aluminum Wire Armoring)
STA(Steel Wire Armoring)
DSTA((Double Steel Wire Armoring)
SWA(Steel Wire Armoring)
Outer Sheath:PVC (polyvinyl chloride)
-alternative :FR-PVC(Flame Retardant Polyvinyl Chloride)
-alternative :LDPE(Low Density Polyethylene)
-alternative :MDPE (Medium Density Polyethylene)
-alternative: LSZH (Low Smoke Zero Halogen)

Core Identification

Single core: red (black colour on request)
Two cores: red and black.
Three cores: red, yellow and blue.
Four cores: red, yellow, blue and black.
Five cores: red, yellow, blue, black and green/yellow

Specifications

-IEC Standard: IEC 60502-1
-BS Standard: BS 6346,BS 5467
-DIN VDE Standard: DIN VDE 0276
-SANS Standard: SANS 1507-3, SANS 1507-4
-AS NZS Standard: AS/NZS 5000.1

Eastful Cable Lab

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Accreditation

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Technical Parameters

Name	Voltage	Nominal Section Area
Single Core Unarmoured Cables, Aluminum Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	1×16mm^2 to 1×630mm^2
Single Core Unarmoured Cables, Copper Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	1×16mm^2 to 1×630mm^2
Single Core Unarmoured Cables, Aluminum Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	1×16mm^2 to 1×630mm^2
Single Core Unarmoured Cables, Copper Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	1×16mm^2 to 1×630mm^2
Multi Core Unarmoured Cables, Aluminum Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2
Multi Core Unarmoured Cables, Aluminum Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2
Multi Core Unarmoured Cables, Copper Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2
Multi Core Steel Tape Armoured Cables, Aluminum Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2
Multi Core Steel Tape Armoured Cables, Copper Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	2×1.5mm^2 to 2×35mm^2 3×1.5mm^2 to 3×300mm^2 4×1.5mm^2 to 4×300mm^2
Multi Core Steel Tape Armoured Cables, Aluminum Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2
Multi Core Steel Tape Armoured Cables, Copper Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×1.5mm^2 to 2×35mm^2 3×1.5mm^2 to 3×300mm^2 4×1.5mm^2 to 4×300mm^2 4×25mm^2+16mm^2 to 4×300mm^2+150mm^2
Multi Core Steel Wires Armoured Cables, Aluminum Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2 4×25mm^2+16mm^2 to 4×300mm^2+150mm^2
Multi Core Steel Wires Armoured Cables, Copper Conductors, PVC Insulated and Sheathed Power Cable	0.6/1kV	2×1.5mm^2 to 2×35mm^2 3×1.5mm^2 to 3×300mm^2 4×1.5mm^2 to 4×300mm^2 4×25mm^2+16mm^2 to 4×300mm^2+150mm^2
Multi Core Steel Wires Armoured Cables, Aluminum Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×16mm^2 to 2×35mm^2 3×16mm^2 to 3×300mm^2 4×16mm^2 to 4×300mm^2 4×25mm^2+16mm^2 to 4×300mm^2+150mm^2
Multi Core Steel Wires Armoured Cables, Copper Conductors, XLPE Insulated and Sheathed Power Cable	0.6/1kV	2×1.5mm^2 to 2×35mm^2 3×1.5mm^2 to 3×300mm^2 4×1.5mm^2 to 4×300mm^2 4×25mm^2+16mm^2 to 4×300mm^2+150mm^2

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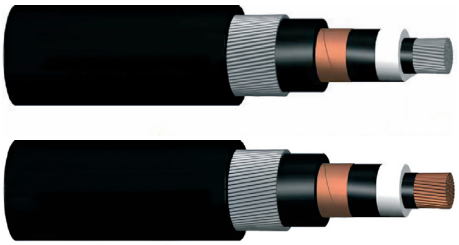

Application

The medium voltage cables are designed for installation primarily in power supply stations, both indoors and in cable ducts. They are also suitable for outdoor use,underground installations, and even underwater applications, as well as for installationon cable trays in industrial settings, switchboards, and power stations.

Performance

Electrical performance(U0/U): 3.6/6kV(3.8/6.6kV),6/10kV(6.35/11kV),8.7/15kV,
12/20kV(12.7/22kV),18/30kV(19/33kV)
Chemical performance: chemical, UV&oil resistance
Mechanical performance(minimum bending radius):
-single core unarmoured cable: 20 x O.D.
-single core AWA or aluminum tape armoured cable: 15 x O.D.
-three core unarmoured cable: 15 x O.D.
-three core SWA or STA armoured cable: 12 x O.D.
Thermal performance:
-Maximum service temperature: 90℃
-Maximum short-circuit temperature: 250℃(Max.5s)
-Minimum service temperature: -10℃
Fire performance:
-Flame retardant according to IEC/EN 60332-1-2 standard
-Reduced emission of halogens chlorine: <15%

Construction

Conductor: stranded compacted copper or aluminum conductor, class 2
Conductor Screen: semi-conductive compound
Insulation: XLPE (cross-linked polyethylene)
-alternative: PVC (Polyvinyl Chloride)
-alternative: EPR (Ethylene Propylene Rubber)
Insulation Screen: semi-conductive compound
Metallic Screen: individual concentric copper wires or copper tape
Optional Filler: PET(polyethylene terephthalate) fibres
Binding Tape: polyester tape or non-woven fabric
Optional Inner Sheath: PVC(Polyvinyl chloride)
-alternative: LSZH (Low Smoke Zero Halogen)
Optional Armoring:
AWA (Aluminum Wire Armoring)
STA(Steel Wire Armoring)
DSTA((Double Steel Wire Armoring)
SWA(Steel Wire Armoring)
Outer Sheath:PVC (polyvinyl chloride)
-alternative :FR-PVC(Flame Retardant Polyvinyl Chloride)
-alternative :LDPE(Low Density Polyethylene)
-alternative :MDPE (Medium Density Polyethylene)
-alternative: LSZH (Low Smoke Zero Halogen)

Core Identification

-Single Core: Red or black
-Three Core: Red , yellow and blue

Specifications

-IEC Standard: IEC 60502-2, IEC/EN 60228
-BS Standard: BS 6622
-AS NZS Standard: AS/NZS 1429
-DIN VDE Standard: DIN VDE 0276-620
-American Standard: ICEA S-93-639, AEIC CS8-07

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Technical Parameters

Name	Voltage	Nominal Section Area
Unarmoured Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Copper Conductor XLPE Insulated and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	3.6/6kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Copper Conductor XLPE Insulated and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	6/10kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Copper Conductor XLPE Insulated and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	8.7/15kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2

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Technical Parameters

Name	Voltage	Nominal Section Area
Unarmoured Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Copper Conductor XLPE Insulated and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	12/20kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Unarmoured Copper Conductor XLPE Insulated and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Taped Armoured and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Aluminium Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2
Copper Conductor XLPE Insulated Steel Wires Armoured and PVC Sheathed Power Cable	18/30kV	1×35mm^2 to 1×630mm^2 3×35mm^2 to 3×400mm^2

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Application

Armored power cables find wide application in various industries, including construction, mining, and infrastructure projects, where reliable and durable electrical transmission is essential. These cables are particularly suited for underground installations and outdoor environments, providing protection against mechanical damage, moisture, and chemical exposure. Armored power cables are commonly used to supply electricity to buildings, machinery, and equipment in industrial facilities, as well as for power distribution in urban and rural areas.

Performance

Electrical performance (U_0/U): 0.6/1kV
Chemical performance: good chemical,UV&oil resistance
Mechanical performance(minimum bending radius): 10 x O.D.
Terminal performance:
-Maximum service temperature: 90℃
-Maximum short circuit temperature: 250°C(max.5s)
-Minimum service temperature: -40°C

Construction

Conductor: plain circular, compacted or shaped stranded copper/ aluminum conductor
Insulation: XLPE (Cross-linked polyethylene)
Bedding: PVC(Polyvinyl chloride)
Armoring: SWA(Galvanized Steel Wire Armour)
Sheath: PVC(Polyvinyl chloride) or PE(Polyethylene) or LSZH (Low Smoke Zero Halogen)

Specifications

-BS Standard: BS 5467
-IEC Standard: IEC 60502-1, IEC 60228
-SANS Standard: SANS 1507-4
-GOST Standard: GOST 31996

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Accreditation

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Technical Parameters

Code	Voltage	Nominal Section Area
IEC 60502-1	0.6/1kV	2x25mm^2 3×25mm^2 to 3×300mm^2 4×25mm^2 to 4×240mm^2 5×16mm^2 to 5×195mm^2
BS 6724	0.6/1kV	1x50mm^2 to 1×1000mm^2 2x1.5mm^2 to 2×150mm^2 3x1.5mm^2 to 3×300mm^2 4x1.5mm^2 to 4×300mm 5x1.5mm^2 to 5×50mm^2 7x1.5mm^2 to 7×4mm^2 (12,19,27,37)x1.5mm^2 to (12,19,27,37)×2.5mm^2
BS 6724	1.9/3.3kV	1x50mm^2 to 1×630mm^2 3x16mm^2 to 3×400mm^2
BS 6622	3.8/6.6kV, 8.7/15kV, 12.7/22kV	1×135mm^2 to 1×630mm^2 3×50mm^2 to 3×500mm^2
BS 6622	6.35/11kV, 19/33kV	1×135mm^2 to 1×630mm^2 3×50mm^2 to 3×400mm^2
BS 5467	0.6/1kV	1x50mm^2 to 1×1000mm^2 2x1.5mm^2 to 2×150mm^2 3x1.5mm^2 to 3×400mm^2 4x1.5mm^2 to 4×400mm^2 5x1.5mm^2 to 5×50mm^2 7x1.5mm^2 to 7×4mm^2 (12,19,27,37)x1.5mm^2 to (12,19,27,37)×2.5mm^2
BS 5467	1.9/33kV	1x50mm^2 to 1×630mm^2 3x10mm^2 to 3×35mm^2
AEIC CS8	5/35kV	4 to 4/0 AWG, 250 to 1000kcmil
CSA TECK 90	600V	14 to 10 AWG (copper) 8 to 4/0 AWG, 250 to 500kcmil (aluminum)
AS/NZS5000.1	0.6/1kV	(3+E)x16mm^2 to (3+E)x240mm^2 (4+E)x16mm^2 to (4+E)x240mm^2
SANS 1507-3	0.6/1kV	(2,3,4)×1.5mm^2 to (2,3,4)×240mm^2
SANS 1507-4	0.6/1kV	(2,3,4)×1.5mm^2 to (2,3,4)×240mm^2

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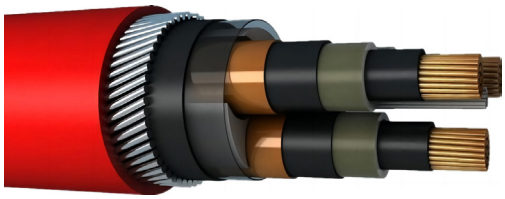

Application

LSZH cables(Smoke Halogen Zero Cable), also called LSHF cables(Low Smoke Halogen Free Cable), are commonly used in environments where the emission of toxic gases and dense smoke in the event of a fire could pose a threat to human health or equipment. They are commonly used in railway and subway stations, vehicles and terminals, airports, and other mass transit hubs, as well as in public underground spaces and poorly ventilated areas. Additionally, LSZH cables find extensive use in public entertainment venues, residential buildings such as apartments and hotels, hospitals, and critical infrastructure like computer and data centers, where fire safety and reduced environmental impact are paramount concerns.

Performance

Electrical performance (U0/U): 0.3/0.5kV, 0.6/1kV, 1.9/3.3kV, 3.8/6.6(7.2)kV, 6.35/11(12)kV, 8.7/15(17.5)kV, 12.7/22(24)kV, 19/33(36)kV
Chemical performance: chemical, UV&oil resistance
Mechanical Performance:
-minimum bending radius of single core: 15 x overall diameter
-minimum bending radius of three cores: 12 x overall diameter
Thermal performance :
-Maximum operating temperature:90℃
-Maximum short-circuit temperature: 250℃(Max.5s)
-Minimum service temperature：-10℃
Fire performance:
-Flame retardant according to IEC/EN 60332-1-2 standard
-Reduced emission of halogens chlorine <15%

Construction

Conductor: stranded compacted copper conductor or aluminum conductor
Insulation: XLPE (cross-linked polyethylene).
Bedding: LSZH (low smoke zero halogen); HFFR(halogen free flame retardant);
Armour: single-core conductor: AWA (aluminum wire armoring); multi-core conductor: SWA (steel wire armoring).
Outer Sheath: LSZH (low smoke zero halogen); HFFR(halogen free flame retardant);
Sheath Colour: brown, black, gray or other available colour in accord with the request.

Core Identification

Two cores: blue, brown
Three cores: blue, brown, green/yellow
Four cores: blue, brown, gray, green/yellow
Five cores: blue, brown, Gray, Black, green/yellow
Sheath Colour: white, black

Specifications

-EN Standard: EN 50525-3-11 (HD21.14), EN 60228
-IEC Standard: IEC/EN 60228, IEC 60502-1, IEC 60502-2, IEC/EN 60754-1/2, IEC/EN 61034-1/2
-BS Standard: BS 6724, BS 7835, BS EN/IEC 60332-1-2, BS EN/IEC 60332-3-24
-UNE Standard: UNE 21123

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Technical Parameters

Name	Voltage	Nominal Section Area
BS 7211	450/750V	1.5mm^2, 2.5mm^2, 4mm^2, 6mm^2, 10mm^2, 16mm^2, 25mm^2, 35mm^2
BS 7211	0.6/1kV	50mm^2, 70mm^2, 95mm^2, 120mm^2, 150mm^2, 185mm^2 , 240mm^2
BS 7835	3.8/6.6(7.2)kV; 6.35/11(12)kV; 8.7/15(17.5)kV; 12.7/22(24)kV; 19/33(36)kV	1x70mm^2 to 3x1000mm^2 3x50mm^2 to 3x400mm^2
BS 6724	0.6/1kV; 1.9/3.3kV	2×1.5mm^2 to 2×150mm^2 3×1.5mm^2 to 3×400mm^2 4×1.5mm^2 to 4×400mm^2 5×1.5mm^2 to 5×50mm^2
EN 50525-3-11	300/500V	2×0.75mm^2 to 2×4mm^2 3×0.75mm^2 to 3×4mm^2 4×0.75mm^2 to 4×4mm^2 5×0.75mm^2 to 5×4mm^2
UNE 21123	0.6/1kV	1×1.5mm^2 to 1×630mm^2 2×1.5mm^2 to 2×95mm^2 3×1.5mm^2 to 3×185mm^2 4×1.5mm^2 to 4×120mm^2 5×1.5mm^2 to 5×120mm^2 6×2.5mm^2 to 6×6mm^2 7×1.5mm^2 to 7×2.5mm^2 8×2.5mm^2 10x2.5mm^2 12×1.5mm^2 to 12×2.5mm^2 19×1.5mm^2 to 19×2.5mm^2 24×2.5mm^2

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Application

This cable is used for fixed installations, especially those requiring flame retardant properties, such as indoor settings, trenches, and dusty environments. It iscommonly employed for transmitting control signals and remotely controlling machinery and systems, ensuring efficient and reliable control across diverse applications.

Performance

Electrical performance(U_0/U): 450/750V ,0.6/1kV
Chemical performance :chemical,UV&oil resistance
Mechanical performance(Minimum bending radius):10 x O.D.
Thermal performance :
-Maximum service temperature:90℃
-Maximum short circuit temperature:250°C(max. 5s)
-Minimum service temperature:-40°℃

Core Identification

Black or customizing

Specifications

-IEC Standard: IEC 60502-1, IEC60227, IEC 60228
-BS Standard: BS EN 50525
-American Standard: ASTM B800 B836
-AS/NZS Standard: BS EN 50525
-DIN VDE Standard: DIN VDE 0207
-GOST Standard: GOST 18404.0-80, GOST 18404.2-73

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Technical Parameters

Name	Voltage	Nominal Section Area
IEC 60502-1	0.6/1kV	2x1.5mm^2 to 2x150mm^2 3x1.5mm^2 to 3x400mm^2 Max.48 cores
IEC60227 IEC 60228	450/750V	2x0.75mm^2 to 2x10mm^2 61x0.75mm^2 to 61x10mm^2
CY	450/750V	0.75mm^2 ,1mm^2 ,1.5mm^2 ,2.5mm^2 ,4mm^2 ,6mm^2
SY	450/750V	0.75mm^2,1mm^2,1.5mm^2,2.5mm^2,4mm^2,6mm^2,10mm^2,16mm^2 25mm^2 ,35mm^2
YY	450/750V	0.75mm^2,1mm^2,1.5mm^2,2.5mm^2,4mm^2,6mm^2,10mm^2,16mm^2 25mm^2
XHHW-2	600V 1000V	8AWG
AS/NZS 5000.1	0.6/1kV	10mm^2, 16mm^2, 25mm^2, 1.5mm^2, 2.5mm^2 (2C+E to 50C+E)

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Application

The concentric electric cable is used in electric service entrances, connecting from the power distribution network to the meter panel, especially in areas where preventing electricity theft is a concern. It serves as a feeder cable from the meter panel to the distribution panel, ensuring secure and efficient power distribution within the system.

Performance

Electrical performance (U_0/U): 0.6/1kV
Chemical performance: good chemical,UV&oil resistance
Mechanical performance(minimum bending radius): 10 x O.D.
Terminal performance:
-Maximum service temperature: 90℃
-Maximum short circuit temperature: 250°C(max.5s)
-Minimum service temperature: -40°C

Core Identification

Black or customizing

Specifications

-IEC Standard: IEC 60502-1, IEC 60228
-BS Standard: BS 7870
-American Standard: ASTM B 800 B801, ASTM D2655
-SANS Standard: SANS 1507

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Accreditation

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Technical Parameters

Name	Voltage	Nominal Section Area
IEC 60502-1	0.6/1kV	10mm^2 ,16mm^2 ,25mm^2 ,35mm^2
BS 7870	0.6/1kV	1x25mm^2 ,1x35mm^2 ,3x25mm^2 ,3x35mm^2
ASTM B 800 B801	0.6/1kV	2x8AWG ,2x10AWG, 3x2AWG, 3x4AWG, 3x6AWG, 3x8AWG
ASTM D2655	0.6/1kV	2x4AWG to 2x12AWG, 3x2AWG, 3x4AWG, 3x6AWG, 3x8AWG
Airdac cable	0.6/1kV	4mm2 ,6mm2 ,10mm2 ,16mm2

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Aerial Fiber Optic Cables

Application

Aerial Fiber Optic Cable is suitable for installation on transmission lines, providing a dual functionality as both a ground wire and communication wires. Its design aims to replace traditional static or shielding wires while enabling seamless transmission of high-speed data signals making it an essential component for modern telecommunications infrastructure.

Specifications

-IEC Standard: IEC 60793-1, IEC 60793-2, IEC 60794-4-10, IEC 60794-1-2
-ITU-T Standard: ITU-T G.652, ITU-T G.655
-IEEE Standard: IEEE1138-2009

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Technical Parameters

Name	Fibers
OPGW Aluminum Clad Steel Tube	48
OPGW Aluminum Tube	8/12/24/36/48/72
OPGW Central Al Covered Stainless Steel Tube	24/28/48/60/72/96
OPGW Central Stainless Steel Tube With Copressed Wires	30/36/48
OPGW Multi Stranded Stainless Steel Tube	24/36/96/144
OPGW Single Central Stainless Steel Tube	24/36/96/144
OPPC	16/24/28/36/48
ADSS	5/6/8/10/12

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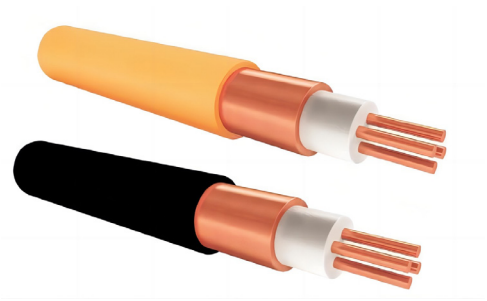
Mineral Insulated Cables



Application

This cable comprises multi-stranded copper wire, mineral-insulated micatape winding, alkali-free glass fiberdense filling, and a copper tape longitudinally wrapped and welded intoa copper tube sheath. It finds widespread application in criticalenvironments such as high-risebuildings, hospitals, and transportation hubs, where uninterrupted power and communication are paramount. It is ideal for providing system power supply indensely populated areas and vital structures like museums andl airports.

Performance

Voltage Rating (U0/U): 0.6/1kV, 0.5kV, 0.75kV
Light load 500V,Heavy load 1000V
Temperature Rating:
Fixed: -15°C to +70°C
Flexed: -5°C to +50°C
Minimum Bending Radius: 12 x O.D.

Specifications

-IEC Standard: IEC60502
-BS Standard: BS6387

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Technical Parameters

Name	Voltage	Nominal Section Area
IEC 60502	0.6/1kV	1.5mm^2 to 630 mm^2
BS 6387	0.5kV 0.75kV	2x1.0mm^2, 2x1.5mm^2, 2x2.5mm^2, 2x4.0mm^2, 3x1.0mm^2, 3x1.5mm^2, 3x2.5mm^2, 4x1.0mm^2, 4x1.5mm^2, 4x2.5mm^2, 7x1.0mm^2, 7x1.5mm^2, 7x2.5mm^2

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Application

This cable is used for interconnecting solar system components, accommodating both indoor and outdoor installations and enduring harsh weather conditions and mechanical demands. It plays acrucial role in solar energy installations, facilitating stable power transmission and accurate measurement. Its versatility extends to residential buildings, commercial complexes, and industrial facilities, thereby advancing the adoption of renewable energy sources.

Performance

Nominal Votage(U0/U): 600/1000VAC,1000/1800VDC
Test Voltage: 6500V,50Hz,5min
Temperature Rating: -45℃ to + 125℃; -40°F to +257°F
Ambient temperature: -40℃ to + 90℃; -40°F to +194°F
Max. Short circuit temperature: 280℃,+536°F
Bending Radius:
Fixed installation> 4 x O.D.;
Occasionally moved> 5 X O.D.

Specifications

-IEC Standard: IEC 60332-1, IEC61034
-TUV Standard: TUV 2PfG 1169/08.2007; PV1-F

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Technical Parameters

Name	Voltage	Nominal Section Area
IEC 60332-1	600/1000VAC 1000/1800VDC	1×2.5mm^2, 1×4.0mm^2, 1×6.0mm^2, 1×10mm^2, 1×16mm^2, 1×25mm^2, 2×2.5mm^2, 2×4mm^2, 2×6mm^2, 2×10mm^2, 2×16 mm^2
PV1-F	600/1000VAC 1000/1800VDC	1×2.5mm^2, 1×4.0mm^2, 1×6.0mm^2, 1×10mm^2, 1×16mm^2, 1×25mm^2, 2×2.5mm^2, 2×4mm^2, 2×6mm^2, 2×10mm^2, 2×16 mm^2
h1z2z2-k	600/1000VAC 1000/1800VDC	1×2.5mm^2, 1×4.0mm^2, 1×6.0mm^2, 1×10mm^2, 1×16mm^2, 1×25mm^2, 2×2.5mm^2, 2×4mm^2, 2×6mm^2, 2×10mm^2, 2×16 mm^2

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Automotive Power Cables

Application

This cable serves critical roles in vehicles, facilitating power transmission, signal transmission, and controlfunctions. As an integral component of automotive electrical systems, it ensures the dependable operation of various vehicle functions, including lighting, heating, cooling, and communication. Designed to withstand the demanding conditions inside vehicles, such asvibration, friction, temperature variations, and electromagnetic radiation, it plays a vital role in ensuring the overall performance and safety of the vehicle.

Performance

Operating voltage: 300V/500V
Operating temperature range: -40℃ to+75℃

Core identification

Clear ,black and red,white

Specification

-DIN Standard: DIN CEN/TS 13388
-ASTM Standard: ASTM B 227, ASTM B 228, ASTM B 452

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Accreditation

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Technical Parameters

Name	Model
Automotive Power Cord	OGA, 2GA ,4GA, 6GA, 8GA, l0GA, 12GA, 14GA, 16GA, 18GA

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Application

Rubber cables are versatile electrical cables widely utilized across industrial, commercial, and residential sectors due to their remarkable flexibility, durability, and resistance to harsh environmental conditions. These cables find application in a diverse range of industries and environments, including industrial settings, construction sites, mining operations, outdoor events and entertainment venues, and marine applications.

Construction

Conductor: bare annealed stranded copper
Conductor shape: circular
Insulation: rubber
Outer sheath: rubber
Sheath colour: Black
Installation Bend Radius: 15 times the diameter of the cable

Core Identification

One core: Black
Two cores: Blue Brown
There cores: Green/Yellow Blue Brown
Four cores: Green/Yellow Brown Black Grey
Five cores: Green/Yellow Blue Brown Black Grey
Six cores and above: Black with White numbers Green/Yellow

Specifications

-DIN Standard: DIN VDE 0282-4 HD22.4
-EN Standard: EN 50525-2-21, EN 6022
-IEC Standard: IEC/EN 60332-1-2, IEC 60245-4
-HD Standard: HD22.4 S3
-GOST Standard: GOST 1508-78

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Technical Parameters

Name	Voltage	Nominal Section Area
H05RN-F	300/500V	1x0.75mm^2, 1x1mm^2, 1x1.5mm^2 2x0.75mm^2, 2x1mm^2 3x0.75mm^2, 3x1mm^2
H07RN-F	450/750 V	1x1.5mm^2 to 2x300mm^2 2x1mm^2 to 2x6mm^2 3x1mm^2 to 3x50mm^2 4x1.5mm^2 to 4x240mm^2 5x1.5mm^2 to 5x120mm^2 7x1.5mm^2 to 7x4mm2 (12,19,24)x1.5mm^2 to (12,19,24)x2.5mm^2 27x1.5mm^2
HO5RR-F	300/500V	2x0.75mm^2 to 2x2.5mm^2 3x0.75mm^2 to 2x4mm^2

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Application

Welding cable serves as a specialized electrical conduit essential for welding operationsfacilitating the transfer of high currents from the welding power source to the welding tool, suchas the electrode holder or welding gun. its primary application lies within welding processesspanning technigues like MIG, TIG, and stick welding, where it ensures efficient poweltransmission. Beyond welding, welding cable finds utility in various industrial sectors requiringflexible, high-current-carrying cables, including heavy-duty equipment, automotive, constructionand shipbuilding industries.

Construction

Conductor: Flexible bare annealed copper wire or tinned copper wireInsulation:PVC or Rubber Material or EPR Sheath: Natural rubber, Horoprene rubber or other syntheitic rubber, PVC or or CSpColor: Choice of Black, Orange, Red or Yellow Blue jacket, single & double insulated

Specification

-IEC Standard: IEC60245
-American Standard: ICEA S-75-381

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Technical Parameters

Name	Voltage	Nominal Section Area
ICEA S-75-381	450/750V	10mm^2, 16mm^2, 25mm^2, 35mm^2, 50mm^2, 70mm^2, 95mm^2, 120mm^2, 150mm^2, 185mm^2
IEC60245	450/750V	6AWG to 4/0 AWG

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