



• Application

Designed to meet the rigorous demands of distribution networks, these DIN VDE 0276-620 medium voltage power cables serve as essential links for connecting generation units, plants, and processes. They are engineered for direct burial in the ground, outdoor installations, indoor applications, and cable ducts, ensuring reliable power transmission in diverse environments.

• Performance

Voltage rating $U_0/U(Um)$: 18/30(36)kV

Test Voltage: 63kV

Mechanical performance:

Minimum bending radius of single core: 20 x overall diameter

Minimum bending radius of multi cores: 15 x overall diameter

Thermal performance:

Maximum operating temperature: 90°C

Maximum short-circuit temperature: 250°C (Max. 5s)

Minimum service temperature: -10°C

Fire performance:

Flame retardant according to IEC/EN 60332-1-2 standard

Reduced emission of halogens chlorine <15%

• Construction

Conductor: Class 2 copper conductor or aluminum conductor

Inner semi-conductive layer: Semi-conductive compound

Insulation: XLPE (cross-linked polyethylene)

Outer semi-conductive layer: Semi-conductive compound

Metallic Screen: Concentric copper wires

Waterblocking - Longitudinal (optional): Swellable tape

Outer Sheath: PVC (polyvinyl chloride) or PE (polyethylene)

Sheath Colour: Red (PVC), black (PE), or other available colors as per request

Core Identification

Single Core: Red or Black

Three Core: Red, Yellow, and Blue

Sheath Colour: Red, black, or other available colors as per request

• Specification

-DIN VDE 0276-620, HD 620, EN 60228, IEC 60502-2

-Flame retardant according to IEC/EN 60332-1-2 standard

• 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, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

No. of Cores	Physical Performance					
	Nominal Cross Section Area		Nominal Weight		Nominal Overall Dia.	
	Conductor	Copper Wire Screen	Copper	Aluminum	Copper	Aluminum
-	mm ²	mm ²	kg/km	kg/km	mm	mm
1	50	RM/16	8	2	32	28
1	70	RM/16	8	2	34	29
1	95	RM/16	8	2.1	36	31
1	120	RM/16	8	2.1	37	32
1	150	RM/25	8	2.2	39	34
1	185	RM/25	8	2.2	41	35
1	240	RM/25	8	2.3	43	37
1	300	RM/25	8	2.4	46	39
1	400	RM/35	8	2.5	49	40
1	500	RM/35	8	2.6	52	45

No. of Cores	Electrical Performance					
	Nominal Cross Section Area		Current Carrying Capacity (Copper Conductor)		Current Carrying Capacity (Aluminum Conductor)	
	Conductor	Copper Wire Screen	in ground	in air	in ground	in air
-	mm ²	mm ²	A	A	A	A
1	50	RM/16	225	241	175	187
1	70	RM/16	274	299	213	232
1	95	RM/16	326	362	256	281
1	120	RM/16	370	417	289	323
1	150	RM/25	414	473	322	365
1	185	RM/25	466	538	366	421
1	240	RM/25	538	633	426	496
1	300	RM/25	606	723	476	568
1	400	RM/35	680	831	545	650
1	500	RM/35	765	953	-	-