



Construction

Class 2 Stranded Aluminium

Inner conductive layer

Core insulation: Cross-linked Polyethylene (XLPE)

Outer conductive layer

Copper wire screen

Outer sheath: Rigid PE (polyethylene)

Applications

This series of products is suitable for power transmission and distribution systems with a rated voltage of 3.6KV-36KV. It is suitable for direct burial, cable tray systems and power stations. It is suitable for direct burial, cable tray systems and power stations as well as outdoor and indoor installations in different environments.

Standards

DIN VDE 0276-620

HD 620

EN 60228

IEC 60502-2

Specification

Maximum Conductor Temperature:	90
Max. temperature during short circuit(≤5S)	250
Minimum Bending Radius	15x

Technical Data

Voltage Rating	Number of cores and nominal cross section (mm ²)	Aluminum figure (kg/km)	Copper figure (kg/km)	Overall diameter appr. (mm)	Overall diameter max. value appr. (mm)	Weight appr. (kg/km)	Current carrying capacity ground (A)	Current carrying capacity air (A)
6/10 kV	1 x 35 RM/16	103.0	190	23	28	600.0	145	153
6/10 kV	1 x 50 RM/16	147.0	190	24	29	670.0	171	183
6/10 kV	1 x 70 RM/16	206.0	190	26	31	770.0	208	228
6/10 kV	1 x 95 RM/16	279.0	190	27	32	880.0	248	278
6/10 kV	1 x 120 RM/16	353.0	190	29	34	950.0	283	321
6/10 kV	1 x 150 RM/25	441.0	295	30	35	1,150.0	315	364
6/10 kV	1 x 185 RM/25	544.0	295	32	37	1,250.0	357	418
6/10 kV	1 x 240 RM/25	706.0	295	34	39	1,500.0	413	494
6/10 kV	1 x 300 RM/25	882.0	295	36	41	1,700.0	466	568
6/10 kV	1 x 400 RM/35	1,176.0	410	40	45	2,100.0	529	660
12/20 kV	1 x 50 RM/16	147.0	190	28	33	820.0	172	185
12/20 kV	1 x 70 RM/16	206.0	190	30	35	930.0	210	231
12/20 kV	1 x 95 RM/16	279.0	190	31	36	1,050.0	251	280
12/20 kV	1 x 120 RM/16	353.0	190	33	38	1,150.0	285	323
12/20 kV	1 x 150 RM/25	441.0	295	34	39	1,350.0	319	366
12/20 kV	1 x 185 RM/25	544.0	295	36	41	1,500.0	361	420
12/20 kV	1 x 240 RM/25	706.0	295	39	44	1,750.0	417	496
12/20 kV	1 x 300 RM/25	882.0	295	41	46	2,000.0	471	569
12/20 kV	1 x 400 RM/35	1,176.0	410	44	49	2,350.0	535	660
18/30 kV	1 x 50 RM/16	147.0	190	33	38	1,100.0	174	187
18/30 kV	1 x 70 RM/16	206.0	190	35	40	1,200.0	213	232
18/30 kV	1 x 95 RM/16	279.0	190	36	41	1,350.0	254	282
18/30 kV	1 x 120 RM/16	353.0	190	38	43	1,450.0	289	325
18/30 kV	1 x 150 RM/25	441.0	295	39	44	1,700.0	322	367
18/30 kV	1 x 185 RM/25	544.0	295	41	46	1,850.0	364	421
18/30 kV	1 x 240 RM/25	706.0	295	43	48	2,050.0	422	496
18/30 kV	1 x 300 RM/25	882.0	295	46	51	2,350.0	476	568
18/30 kV	1 x 400 RM/35	1,176.0	410	49	54	2,800.0	541	650