

■ HDXSp-J (O) 450/750V

Power and telecommunication cables



TECHNICAL INFORMATION:

Single-wire copper conductors (D) in polyethylene insulation (XS) and in a halogen-free coating (H) flat (p) sheet with green-yellow protective conductor (J) or without a green-yellow protective conductor (O)

CONSTRUCTION:

Conductors	copper, single-wire, class. 1, acc. to standard PN-EN 60228
Insulation	cross-linked polyethylene
Sheath	special halogen-free polymer compound, white colour
Insulation colours	HDXSp-O 2-conductor: blue, brown 3-conductor: brown, black, grey or blue, brown, black 4-conductor: blue, brown, black, grey 5-conductor: blue, brown, black, grey, black HDXSp-J 3-conductor: green-yellow, blue, brown 4-conductor: yellow-green, black, brown, grey or yellow-green, blue, brown, black 5-conductor: green-yellow, blue, brown, black, grey
Operating temperature	od -40°C do +70°C
Nominal voltage	450/750 V
Minimum bending radius	conductor outer diameter D [mm] 6xD
Permissible conductor operating temperature	+90°C
Permissible conductor temperature during short circuit	+250°C
Application	halogen-free power supply conductors for installations in facilities where human life and property must be protected against fire (hotels, hospitals, schools, airports, underground and train stations, industrial installations); conductors to be laid in dry and moist rooms, over and in plasterwork, in brick walls and directly in concrete; only permanent installation possible; in outdoor or underground installations cables must be laid in cable ducts or tubes
Packing	coils of length of 100 m and others, according to customer's wishes

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Number and nominal cross-section of conductor [n x mm ²]	Approximate outer dimension of the conductor [mm]	Approximate cable mass [kg/km]
2 x 1	4,9 x 7,4	55
2 x 1,5	5,2 x 7,9	67
2 x 2,5	5,6 x 8,7	89
2 x 4	6,0 x 9,6	120
2 x 6	6,5 x 10,6	161
2 x 10	7,5 x 12,4	254
3 x 1	4,9 x 10,0	77
3 x 1,5	5,2 x 10,7	94
3 x 2,5	5,6 x 11,9	127
3 x 4	6,0 x 13,2	173
3 x 6	6,7 x 14,9	250
3 x 10	7,5 x 17,3	375
4 x 1	4,9 x 12,5	99
4 x 1,5	5,2 x 13,4	121
4 x 2,5	5,6 x 15,0	165
4 x 4	6,2 x 17,0	244
4 x 6	6,7 x 19,0	330
4 x 10	7,5 x 22,2	496
5 x 1	4,9 x 15,0	120
5 x 1,5	5,2 x 16,2	148
5 x 2,5	5,6 x 18,2	203
5 x 4	6,2 x 20,6	302
5 x 6	6,7 x 23,1	409
5 x 10	7,5 x 27,1	617

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