

■ HDXSp-J (O) 300/500V

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 HDXSp-J 3-conductor: green-yellow, blue, brown 4-conductor: yellow-green, black, brown, grey or yellow-green, blue, brown, black
Operating temperature	od -40°C do +70°C
Nominal voltage	300/500 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 0,5	3,6 x 5,4	29
2 x 0,75	3,8 x 5,7	36
2 x 1	3,9 x 6,0	41
2 x 1,5	4,2 x 6,5	51
2 x 2,5	4,6 x 7,3	71
2 x 4	5,4 x 8,8	107
2 x 6	5,9 x 9,8	147
3 x 0,5	3,6 x 7,1	40
3 x 0,75	3,8 x 7,7	50
3 x 1	3,9 x 8,2	58
3 x 1,5	4,2 x 8,9	74
3 x 2,5	4,8 x 10,3	109
3 x 4	5,4 x 12,2	155
3 x 6	5,9 x 13,7	224
4 x 0,5	3,6 x 8,9	51
4 x 0,75	3,8 x 9,7	64
4 x 1	3,9 x 10,3	75
4 x 1,5	4,4 x 11,4	99
4 x 2,5	4,8 x 13,0	138
4 x 4	5,4 x 15,6	215
4 x 6	5,9 x 17,6	296

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