YAKXS 0,6/1 kV - Power cables with XLPE insulation



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	IEC 60502-1:2004
Type designation	YAKXS

Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Inner Sheath	Extruded inner sheath
Outer sheath	PVC outersheath
Available colours	Black
Marking	YAKXS 4 x 120 SE 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	HD 405.1 S1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

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Number of cores x cross section	Insula-tion thick-ness nom. mm	Outer Sheath Thick-ness nom. mm	Outer dia-meter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal ope-ration, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
4x25SE	0.9	1.8	28	900	1.2	122	102	2000
4x35SE	0.9	1.8	30	1050	0.868	135	126	2000
4x50SE	1	1.9	33	1100	0.641	158	149	2000
4x70SE	1.1	2	33.8	1550	0.443	196	161	1000
4x95SE	1.1	2.1	41	1900	0.32	234	234	1000
4x120SE	1.2	2.3	45	2400	0.253	268	273	1000
4x150SE	1.4	2.4	49	2850	0.206	300	311	1000
4x185SM	1.6	2.6	54	3450	0.164	342	360	500
4x240SM	1.7	2.8	64	4110	0.125	398	427	500

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