

YKY 1x 0,6/1 kV - Single core cables with PVC insulation and PVC outersheath



Application

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

Global data

Standard	IEC60502-1 PN-HD 603 S1:2002(U)
Type designation	YKY

Design features

Conductor	Copper conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	YKY 1 x 120 RMC 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	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature	-5 °C

Number of cores x cross section	Insulation thickness nom. mm	Outer Sheath Thickness nom. mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x10RMC	1	1.4	9.4	175	1.83			2000
1x16RMC	1	1.4	10.9	252	1.15			2000
1x25RMC	1.2	1.4	11.7	335	0.727	148	145	2000
1x35RMC	1.2	1.4	13.8	445	0.524	177	179	2000
1x50RMC	1.4	1.4	14.2	595	0.387	209	218	2000
1x70RMC	1.4	1.5	16	805	0.268	257	277	2000
1x95RMC	1.6	1.5	18.2	1070	0.193	306	340	2000
1x120RMC	1.6	1.6	19.9	1330	0.153	348	397	2000
1x150RMC	1.8	1.7	22	1650	0.124	389	454	2000
1x185RMC	2	1.7	24.2	2010	0.0991	440	524	2000
1x240RMC	2.2	1.8	27.2	2580	0.0754	511	626	2000
1x300RMC	2.4	1.9	30.2	3205	0.0601	575	719	2000
1x400RMC	2.6	2	33.8	4195	0.047	664	867	1000
1x500RMC	2.8	2.2	37.6	5220	0.0366	749	997	1000
1x630RMC	2.8	2.3	42.7	6520	0.0283	831	1144	500