



- 1) Solid or Stranded Copper
- 2) PVC Insulation
- 3) PVC Filler
- 4) Steel Wire Armour (SWA)
- 5) PVC Sheath

TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted. in ducts. underground. as mains and lighting cable. Due to having galvanized round steel wire armour. they conform to heavy installation and mounting conditions.

Re : Solid Single Round Conductor
Rm : Multi Wire Round Conductor



STANDARD
TS IEC 60502-1



Max. Operating temperature



Short circuit temperature



Test Voltage (AC) 4 kV



Flame retardant IEC 60332-1



Lead-free



Stranded



Solid



Installation temperature min 5°C



Distribution panels



In conduit



Outdoor



In concrete



Direct buried



Industrial installations

TECHNICAL DATA

Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing
	Air	Ground			
mm	A	A	ohm / km	kg / km	m
13.68	64	83	1.83	294	1000
14.64	84	107	1.15	367	1000
17.37	114	138	0.727	535	1000
18.53	139	164	0.524	653	1000
19.94	169	195	0.387	801	1000
22.57	213	238	0.268	1088	1000
24.79	264	286	0.198	1393	1000
26.10	307	325	0.153	1652	1000
28.13	352	365	0.124	1974	1000
30.89	406	413	0.0991	2426	1000
34.94	483	479	0.0754	3152	1000
37.32	557	541	0.0601	3716	1000
14.29	20	27	12.1	369	1000
15.09	25	36	7.41	424	1000
17.72	34	47	4.61	642	1000
18.73	43	59	3.08	736	1000
21.15	59	79	1.83	951	1000
23.80	79	102	1.15	1287	1000
27.40	106	133	0.727	1718	1000
28.90	129	159	0.524	1950	1000
14.76	20	27	12.1	401	1000
16.54	25	36	7.41	565	1000
18.40	34	47	4.61	713	1000
19.49	43	59	3.08	826	1000
22.81	59	79	1.83	1192	1000
24.90	79	102	1.15	1479	1000
28.86	106	133	0.727	2018	1000
31.66	129	159	0.524	2477	1000
35.80	157	188	0.387	3277	1000
43.91	199	232	0.268	4664	1000
50.75	246	280	0.198	6416	500
54.15	285	318	0.153	7474	500
59.11	326	359	0.124	8866	500
65.78	374	406	0.0991	10797	500
74.64	445	473	0.0754	14270	500