0.6/1 (1.2) kV

(a) Description

- Multicore cables of stranded Aluminium conductors are insulated with a PVC compound rated °70C, assembled together and covered with an overall jacket of a PVC compound.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor and indoor installations in damp and wet locations.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Aluminium, Class 2 according to IEC 60228.
Insulation :	PVC.
Colour Code :	Two cores : Red and Black. Three cores : Red, Yellow and Blue. Four cores : Red, Yellow, Blue and Black.
Laying up :	Cores twisted together with filling elements if necessary.
Wrapping :	At least 1 layer of Ploypropylene Tape.
Outer Jacket :	PVC.
Temperature Range :	- 15 °C up to + 70 °C during operation.
Minimum Bending Radius:	10 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.

(d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	"AC at 70 °C"	"Laid Direct in Ground"	Laid in Ducts	Laid in Free Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables							
16 r	1.910	2.290	68	52	71	17	385
25 r	1.200	1.440	87	68	93	20	540
35 r	0.868	1.0430	116	94	131	22.2	670
Three Core Cables							
16 r	1.910	2.290	60	47	58	18.6	400
25 r	1.200	1.440	79	63	76	21.8	550
35 r	0.868	1.0430	107	85	101	24.2	680
Four Core Cables							
16 r	1.9100	2.2900	60	47	58	20.3	495
25 r	1.2000	1.4400	79	63	76	23.9	700
35 r	0.8680	1.0430	107	85	101	26.6	870
50 s	0.6410	0.7710	130	96	121	29.3	1060
70 s	0.4430	0.5330	153	124	152	32.9	1380
95 s	0.3200	0.3850	186	147	184	37.8	1865
120 s	0.2530	0.3050	209	170	215	41.2	2300
150 s	0.2060	0.2490	237	192	247	45.9	2760
185 s	0.1640	0.1990	266	220	285	50.7	3400
240 s	0.1250	0.1510	311	254	336	57	4345
300 s	0.1000	0.1230	350	294	399	63.3	5400
400 s	0.0778	0.0962	408	339	466	70.1	6890
Four Core Cables with Reduced Neutral							
35 r +16 r	0.8680/1.9100	1.0430/2.2900	107	85	101	25	720
50 s + 25 r	0.6410/1.2000	0.7710/1.4400	130	96	121	28.1	970
70 s + 35 r	0.4430/0.8680	0.5330/1.0400	153	124	152	31.4	1240
95 s + 50 s	0.3200/0.6410	0.3850/0.7710	186	147	184	36.1	1660
120 s + 70 s	0.2530/0.4430	0.3050/0.5330	209	170	215	39.5	2040
150 s + 70 s	0.2060/0.4430	0.2490/0.5330	237	192	247	43.5	2435
185 s + 95 s	0.1640/0.3200	0.1990/0.3850	266	220	285	48.2	3025
240 s + 120 s	0.1250/0.2530	0.1510/0.3050	311	254	336	54.2	3830
300 s + 150 s	0.1000/0.2060	0.1230/0.2490	350	294	399	60	4720
400 s + 240 s	0.0778/0.125	0.0962/0.151	408	339	466	66	5980

The above data is approximate and subjected to manufacturing tolerance.

r : round,Stranded
s : Sector,Stranded