Technical Data Tables

STRANDED COPPER
Single Core
PVC Insulated 450/750 V

Applications:
For indoor fixed installations in dry locations, laid in conduits, as well as in steel support brackets

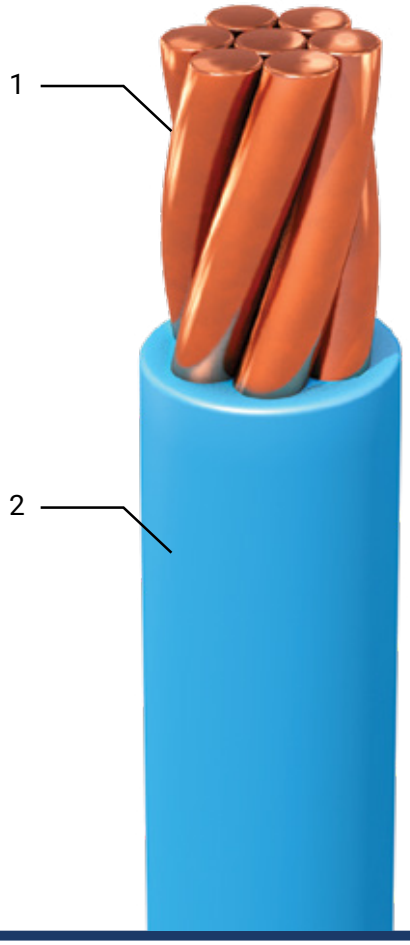
Maximum operating temperature: 70° C

Construction:
1. CONDUCTOR
Copper, Stranded class 2
*Note: Solid copper conductors class 1 are available upon request from 0.5 mm^2 up to 16 mm^2

2. INSULATION
Polyvinyl Chloride [PVC]

Standards:
IEC 60227
BSEN 50525-2-31
IEC 60228

Rated Voltage:
450/750 V
*Note: Other AWG sizes are avaliable upon request



Technical Data Tables

Stranded CU/PVC

Product Code	Conductor Size	Overall Diameter	Cable Weight	Max. Conductor Resistance		Current Rating	
	(mm²)	(mm)	(kg/km)	DC at 20 °C	AC at 70 °C	in free air 	in pipes 
				Ω/Km	Ω/Km	A	A
01C001CT0PB0000	1	2.5	15	18.1	21.66	15	12
01C01.5CT0PB0000	1.5	2.9	21	12.1	14.48	20	15
01C002CT0PB0000	2	3.4	27	9.15	10.9	22	17
01C02.5CT0PB0000	2.5	3.5	31	7.41	8.87	29	24
01C003CT0PB0000	3	3.7	37	6.1	7.30	31	25
01C004CT0PB0000	4	4.1	47	4.61	5.52	38	27
01C006CT0PB0000	6	4.6	65	3.08	3.69	46	33
01C010CT0PB0000	10	5.8	108	1.83	2.19	67	48
01C016CT0PB0000	16	6.7	162	1.15	1.38	89	62
01C025CT0PB0000	25	8.2	251	0.727	0.87	118	83
01C035CT0PB0000	35	9.3	343	0.524	0.63	147	100
01C050CT0PB0000	50	11	466	0.387	0.46	197	122
01C070CT0PB0000	70	12.6	655	0.268	0.32	230	151
01C095CT0PB0000	95	14.5	903	0.193	0.23	290	191
01C120CT0PB0000	120	15.9	1139	0.153	0.18	338	219
01C150CT0PB0000	150	17.7	1413	0.124	0.15	385	252
01C185CT0PB0000	185	19.8	1753	0.0991	0.12	449	288
01C240CT0PB0000	240	22.5	2271	0.0754	0.09	542	345
01C300CT0PB0000	300	25.1	2842	0.0601	0.08	621	391
01C400CT0PB0000	400	28.3	3646	0.047	0.06	748	488
01C500CT0PB0000	500	31.8	4713	0.0366	0.05	863	560
01C630CT0PB0000	630	35.7	5974	0.0283	0.04	1024	652

Installation Conditions for the above rating
In Air : 30°C
In Duct : 20°C
The above dimensions are approximate and subject to manufacturing tolerance.