ELECTRICAL CONDUCTORS

Cobreflex

A **CONNECT GLOBAL GROUP** COMPANY

GOOD ENERGY GOES THROUGH HERE

COBREFLEX PVC CABLE 70°C 450/750V

CABLES FOR INDUSTRIAL, RESIDENTIAL AND COMMERCIAL FIXED INSTALLATIONS

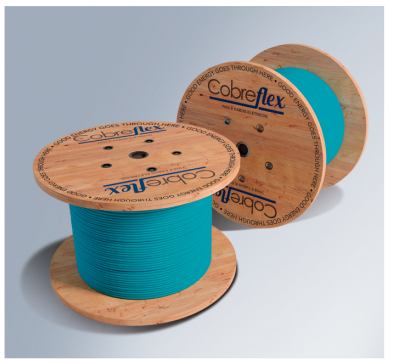
APPLICATION:
Suitable for industrial, residential, commercial fixed installations. They are easy to handle in sections that require greater flexibility, such as ducts and curves with a small bending radius, such as in frames and panels.

CONDUCTOR:
Formed by bare copper wires, soft tempered, according to NBR NM 280, Class 4 or class 5 stringing.

INSULATION:
Thermoplastic compound based on polyvinyl chloride (PVC/A), with special characteristics regarding non-propagation of flame.

COLORS: ■ ■ ■ ■ ■ ■ ■ ■ ■ □

PACKAGING:
Supplied in rolls or packed in wooden coils.



APPLICABLE STANDARDS:
NBR NM 247-3 – Insulated Conductors (without cover) for fixed installations (IEC 60227-3 MOD);
NBR NM 280 – Insulated Cable Conductors (IEC 60228, MOD);

CONSTRUCTION DATA – CLASS 4

Nominal conductor cross-section (mm²)	Maximum diameter of wires in conductor* (mm)	Nominl insulatin thicknes (mm)	Nominal Outside Diameter (mm)	Maxim melectrical resistance 20°C (Ω/km)	Minimum insulatin resistance 20°C (MΩ/k)	Nominal Net Weight (kg/k)
1,5	0,41	0,7	2,88	13,30	50,4	18,5
2,5	0,41	0,8	3,55	7,98	45,4	28,8
4	0,51	0,8	4,00	4,95	35,3	41,7
6	0,51	0,8	4,60	3,30	30,2	58,7
10	0,51	1,0	6,35	1,91	28,2	105
16	0,61	1,0	7,50	1,21	23,2	149
25	0,61	1,2	9,30	0,78	22,2	232
35	0,68	1,2	10,50	0,554	19,2	312
50	0,68	1,4	14,40	0,386	18,6	504
70	0,68	1,4	14,40	0,272	16,1	616
95	0,68	1,6	16,50	0,206	16,1	812
120	0,68	1,6	18,30	0,161	14,6	1016
150	0,86	1,8	20,40	0,129	14,6	1264
185	0,86	2,0	22,60	0,106	14,6	1548
240	0,86	2,2	25,80	0,0801	14,1	2031

CONSTRUCTION DATA – CLASS 5

Nominal conductor cross-section (mm²)	Maximum diameter of wires in conductor* (mm)	Nominal insulation thickness (mm)	Nominal Outside Diameter (mm)	Maximum electrical resistance 20°C (Ω/km)	Minimum insulation resistance 20°C (MΩ/km)	Nominal Net Weight (kg/km)
1,5	0,26	0,7	2,88	13,30	50,4	18,5
2,5	0,26	0,8	3,55	7,98	45,4	28,8
4	0,31	0,8	4,00	4,95	35,3	41,7
6	0,31	0,8	4,60	3,30	30,2	58,7
10	0,41	1,0	6,35	1,91	28,2	105
16	0,41	1,0	7,50	1,21	23,2	149
25	0,41	1,2	9,30	0,78	22,2	232
35	0,41	1,2	10,50	0,554	19,2	312
50	0,41	1,4	14,40	0,386	18,6	504
70	0,51	1,4	14,40	0,272	16,1	616
95	0,51	1,6	16,50	0,206	16,1	812
120	0,51	1,6	18,30	0,161	14,6	1016
150	0,51	1,8	20,40	0,129	14,6	1264
185	0,51	2,0	22,60	0,106	14,6	1548
240	0,51	2,2	25,80	0,0801	14,1	2031