



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	Rubber based HEPR or equivalent compound, type G7 (EN 50363-0, CEI 20-11)
Inner Covering	Separating foil or PVC compound (PVC compound for 25 mm ² and above multi-core cables)
Screen 1	Al-Pes Tape (%100 covered)
Screen 2	Bare copper wire braiding (tinned wire on request)
Outer Sheath	Flame retardant PVC compound, Rz type (EN 50363-0, CEI 20-11)
Color	Light Grey or any other color

MAIN CHARACTERISTICS

Construction	CEI 20-13, CEI UNEL 35375, CEI UNEL 35377
General Requirements	CEI 20-48
Guide to Use	CEI 20-67
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	CEI 20-29, IEC 60228
Flame Retardant	CEI 20-22 II, CEI 20-35, IEC 60332-1-2

OPERATING CHARACTERISTICS

Rated Voltage	0,6/1 kV (U ₀ / U)
AC Test Voltage	4 kV
Operating Temperature	
<i>In Flexing Use</i>	0°C to +90°C
<i>In Fixed Use</i>	-15°C to +90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec.)
Min. Installation Temp.	0°C
Min. Bending Radius	CEI UNEL 35375, CEI UNEL 35377
Current Carrying Capacities	CEI 20-21, VDE 0298-4 Tab.13, IEC 60364-5-52 Tab. B.52.12 & Tab. C.52.1

APPLICATIONS

These cables are used as motor power supply cables with frequency converters where there is electromagnetic interference exist. Generally used in industries like automotive, air conditioning, packing, chemical and food. They can be used in dry, wet, oily and damp places inside under medium mechanical stress.



Cross (*) Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x1,5/1,5	10,60	146	85	13,30
3x2,5/2,5	11,60	191	93	7,98
3x4/4	12,80	265	102	4,95
3x6/6	14,70	356	118	3,30
3x10/10	17,30	545	138	1,91
3x16/16	19,50	780	156	1,21
3x25/16	25,80	1385	206	0,78
3x35/16	27,70	1671	222	0,554
3x50/25	32,00	2350	256	0,386
3x70/35	37,60	3355	301	0,272
3x95/50	41,40	4310	331	0,206
3x120/70	46,60	5530	373	0,161
3x150/95	51,10	6946	409	0,129
3x185/95	56,80	8275	454	0,106
3x240/120	63,90	10755	511	0,0801

(*) Copper braid shield screen cross section is equal to phase conductor for phase cross sections $\leq 16\text{mm}^2$ or equal to almost half of the phase conductor for phase cross sections $\geq 25\text{mm}^2$