



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 for multi-core cables above 16mm ² (PVC compound for only multi-core cables)
Screen	Bare copper wire braiding (tinned on request)
Sheath	Flame retardant PVC compound, Rz type (EN 50363-0, CEI 20-11)
Color	Light Grey

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

OPERATING CHARACTERISTICS

Rated Voltage	600/1000 V (U ₀ /U)
AC Test Voltage	4 kV
Working Temperature	(Without mechanical shocks)
<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 rubber insulated cables are suitable for both indoor and outdoor use as power and control cable. They are mostly used in industrial facilities, construction sites and residential areas. It's shielded for against electromagnetic disturbances. They can be used in dry, damp and wet places also allowed for direct and indirect underground laying.



ELECTROMAGNETIC
COMPATIBILITY



FLAME RETARDANT



WEATHER RESISTANT

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x1,5	6,50	69	52	13,30
1x2,5	7,00	84	56	7,98
1x4	7,80	112	62	4,95
1x6	8,30	135	66	3,30
1x10	9,60	195	77	1,91
1x16	10,90	275	87	1,21
1x25	12,50	375	100	0,78
1x35	13,80	480	110	0,554
1x50	15,50	640	124	0,386
1x70	17,90	892	143	0,272
1x95	19,60	1105	157	0,206
1x120	21,50	1365	172	0,161
1x150	23,90	1705	191	0,129
1x185	27,10	2185	217	0,106
1x240	30,10	2750	241	0,0801
1x300	32,80	3430	262	0,0641
1x400	38,10	4625	305	0,0486
1x500	41,90	5665	335	0,0384
2x1,5	10,20	145	82	13,30
2x2,5	11,10	177	89	7,98
2x4	12,40	220	99	4,95
2x6	13,40	270	107	3,30
2x10	16,10	410	129	1,91
2x16	18,40	550	147	1,21
2x25	24,10	1150	193	0,780
2x35	26,70	1485	214	0,554
2x50	30,60	1970	245	0,39
3x1,5	10,70	175	86	13,30
3x2,5	11,70	215	94	7,98
3x4	12,90	270	103	4,95
3x6	14,10	345	113	3,30
3x10	17,10	530	137	1,91

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)
3x16	19,50	730	156	1,21
3x25	25,60	1420	205	0,78
3x35	28,50	1810	228	0,554
3x50	32,90	2480	263	0,386
3x70	39,10	3510	313	0,272
3x95	42,40	4280	339	0,206
3x120	47,40	5380	379	0,161
3x150	52,30	6650	418	0,129
3x16+10	23,40	1062	187	1,21
3x25+16	28,10	1576	225	0,78
3x35+16	30,20	1933	242	0,554
3x50+25	34,60	2760	277	0,386
3x70+35	39,60	3810	317	0,272
3x95+50	44,20	4820	354	0,206
3x120+70	49,20	6105	394	0,161
3x150+70	54,90	7215	439	0,129
4x1,5	11,60	205	93	13,30
4x2,5	12,60	260	101	7,98
4x4	14,10	340	113	4,95
4x6	15,20	420	122	3,30
4x10	18,70	665	150	1,91
4x16	21,30	930	170	1,21
4x25	28,20	1750	226	0,78
4x35	31,40	2380	251	0,554
4x50	36,60	3175	293	0,386
4x70	43,20	4485	346	0,272
5x1,5	12,40	242	99	13,30
5x2,5	13,70	320	110	7,98
5x4	15,40	430	123	4,95
5x6	16,80	532	134	3,30
5x10	20,30	820	162	1,91
5x16	23,40	1145	187	1,21

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)
5x25	30,60	2085	245	0,78
5x35	34,80	2765	278	0,554
5x50	40,10	3780	321	0,386
5x70	47,70	5410	382	0,272
7x1,5	13,20	290	106	13,30
7x2,5	16,30	385	130	7,98
10x1,5	16,90	400	135	13,30
10x2,5	18,20	520	146	7,98
12x1,5	16,90	440	135	13,30
12x2,5	18,80	590	150	7,98
16x1,5	18,50	552	148	13,30
16x2,5	20,60	745	165	7,98
19x1,5	19,40	620	155	13,30
19x2,5	21,60	852	173	7,98
24x1,5	22,30	760	178	13,30
24x2,5	25,20	1075	202	7,98