



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	XLPE (Cross-linked polyethylene) Identification: See attached table
General assembly	· Up to 10mm ² : Insulated conductors laid up together. · From 16mm ² : 3x + 3G configuration, the protection core Yellow/Green is divided in three cores which are placed in the interstices of the central conductors
Overall screen	Aluminium/polyester tape + Tinned copper wire braid (80%) Total coverage:100%
Outer sheath	Halogen free compound Colour: Black (*Other colours under request. See attached table)

Technical characteristics

Operating voltage	0,6/1 kV
Operating T^a (conductor)	Service: -15°C a +90°C Short-circuit: 250°C (5s Max.)
Min. bending radius	10 x D

Application

Shielded and halogen-free flexible cable designed for use in industrial processes and motors power supply. In fixed installations where improved behavior against fire is required. Thanks to its double shielding and symmetrical distribution of the protective conductor, specially recommended for variable frequency drives.

Standards / Properties

Ref. standard for drawing	IEC 60502-1
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Fire Retardant	UNE-EN 60332-3 (IEC 60332-3)
Halogen free	UNE-EN 60754-1 (IEC 60754-1) (pH >= 4,3 ; conductivity =< 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



flame retardant



fire retardant



halogen free



low smoke
opacity



electromagnetic
protection



Constructive data

Code	NxS (mm2)	Ø und.Scr. (mm)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C	Color
41013300	4G1,5	6.9	11.4	185	13.0	23	22	Black
41013500	4G2,5	7.7	12.2	230	7.84	31	29	Black
41013505	4G2.5	7.7	12.2	230	7.84	31	29	Black
41013700	4G4	9.2	13.7	300	4.9	42	37	Black
41013800	4G6	10.6	15.1	385	3.26	54	46	Black
41013900	4G10	12.7	17.2	560	1.96	75	61	Black
41008900	3 x 6 + 3 G 1,5	10.5	14.9	390	3.26	54	46	Black
41009000	3 x 10 + 3 G 1,5	11.1	15.6	510	1.96	75	61	Black
41009100	3 x 16 + 3 G 2,5	14.0	19.2	795	1.22	100	79	Black
41009200	3 x 25 + 3 G 4	16.9	22.3	1145	0.784	127	101	Black
41009300	3 x 35 + 3 G 6	19.5	24.9	1505	0.560	158	122	Black
41009400	3 x 50 + 3 G 10	22.7	28.1	2055	0.392	192	144	Black
41009500	3 x 70 + 3 G 10	26.2	31.6	2660	0.280	246	178	Black
41009600	3 x 95 + 3 G 16	30.1	35.5	3465	0.206	298	211	Black
41009700	3 x 120 + 3 G 16	33.3	39.4	4340	0.163	346	240	Black
41009800	3 x 150 + 3 G 25	39.1	45.4	5490	0.130	395	271	Black
41009900	3 x 185 + 3 G 35	42.3	49.0	6730	0.105	450	304	Black
41010000	3 x 240 + 3 G 50	49.5	56.5	8815	0.0816	538	351	Black
	3 x 300 + 3 G 50	55.0	62.5	10715	0.0653	621	396	Black

Leyenda

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Ø und.Scr. (mm)	Ø Under Screen (mm)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)
I (A), 30°C	Max. current capacity (A), air (Tª 30°C)
I (A) Und, 20°C	Max. current capacity (A), underground. (Tª20°C)
Color	

Colour code

N° conductors	Insulation colour
4G	Brown, black, grey, yellow/green
3x + 3G	Brown, black, grey + yellow/green (3G)