



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	XLPE Identification: HD 308 (See table)
Assembly	Insulated conductors laid-up together in concentric layers
Overall screen	Polyester tape + aluminium/polyester tape + flexible tinned copper drain wire Overlapp: 25% Coverage: 100%
Inner sheath	Halogen free compound
Armour	Galvanised steel wire armour *In case of single core cables, the armour is made of aluminium wires (amagnetic) Minimum coverage: 90%
Outer sheath	Halogen free compound Colour standard: Green

Technical characteristics

Operating voltage	600/1000 V
Test Voltage	3500 V
Operating T^a (conductor)	Fixed installation: -15°C to +90°C During Installation: 0°C Minimum Shortcut (Max. 5 seg): 250°C
Min. bending radius	10xD

Application

Halogen-free power and control cable designed for use in industrial processes where improved cable fire performance is required. In indoor or outdoors installations. Thanks to its aluminium tape screen and steel wire armour, especially recommended when certain protection against electro-magnetic interferences and good mechanical and/or rodent protection is required.

Standards / Properties

Design	According 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)
Low corrosivity	UNE-EN 60754-2 (IEC 60754-2) (pH >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	Rt (Ohm/Km)
31961300	2x1.5	12.3	302	13.3
31961302	2x1.5 Grey	12.3	302	13.3
31961306	2x1.5 Blue	12.3	302	13.3
31908400	3G1.5	12.8	328	13.3
31908402	3G1.5 Grey	12.8	328	13.3
31913300	4G1.5	13.5	362	13.3
31919600	7G1.5	15.2	462	13.3
31926100	12G1.5	18.7	658	13.3
31928600	16G1.5	20.3	788	13.3
	3G2.5	13.8	391	7.98
31913500	4G2.5	14.7	430	7.98
31919700	7G2.5			7.98
31905800	2x4			4.95
31913700	4G4	16	542	4.95
31913700	4x4	16	542	4.95
31919800	7G4			4.95
31905900	2x6	15.4	503	3.3
31908900	3G6	16.1	570	3.3
31913800	4G6	17.6	668	3.3
31913905	4G10	20.3	913	1.91
31914005	4G16	24.1	1539	1.21

Legend

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
Rt (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Colour Table

Composition	Colours
2x	Blue, Brown
3x	Brown, Black, Grey
3G	Blue, Brown, Yellow/Green
4x	Blue, Brown, Black, Grey
4G	Brown, Black, Grey, Yellow/Green
5G	Blue, Brown, Black, Grey, Yellow/Green
> 5 (G)	Black numbered + Yellow/Green
> 5 (x)	Black numbered