



Construction

Conductor	Extra flexible bare copper wires Class VI Acc. to UNE-EN 60228
Insulation	Polyolefin and polyester (UL-CSA Standards) Identification: See table
Assembly	Combined colours: · See table "Formation"
Individual screen	· See table "Formation"
Individual sheath	· See table "Formation"
Assembly	Overall cabling of all the elements with possible fillings in the interstices + wrap of non-woven tape on the set
Overall screen	Braid of tinned copper wires Coverage: 85% + wrapping of non-woven tape on the screen
Outer sheath	Polyurethane (UL-CSA Standards) Green RAL 6018 according DESINA

Technical characteristics

Operating voltage	300 V
Test Voltage	2000 V
Operating T^a (conductor)	-40°C to +80°C
Min. bending radius	Fixed installation: 5xD / In movement cable: 7,5xD
Maximum chain speed	300 m/min
Maximum acceleration	50 m/s ²
Maximum chain length	10 m (horizontal)
Bending cycles, max.	6.000.000

Application

Combinated shielded power and control cable, specially designed for Encoder-Resolver. Extra-flexible and with high resistance to abrasion and bending in dynamic installations, suitable for use in energy chains when good electromagnetic protection is necessary. The outer cover made of special polyurethane provides additional protection against abrasion, hydrolysis and the most common chemical agents and oils.

Standards / Properties

Ref. for construction/drawing	According UL 758, UL 1581 and CSA 22.2 210.2 (UL 80° 300V - CSA AWM I/II A/B 80°C 300V)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1) ; CEI 20-35 ; UL VW-1 ; CSA FT1
Halogen free	UNE-EN 60754-1 (IEC 60754-1) ; CEI 20-37
Oil and hydrocarbon resistant	UL 1581 ; VDE 0472 part 803 A/B ; HD 22.10 S1 ; CNOMO E.03.40.150N
Water resistant	UL 1581 ; IEC 60811



Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)
35800001	8x2x0.18	7.8	85
35800002	4x2x0.35+4x0,50	9.2	130
35800003	3x(2x0.14)+4x0.14+4x0.25+2x0.5	9.5	140
35800004	3x(2x0.14)+4x0.14+2x0.5	8.9	101
35800005	3x(2x0.14)+2x(0,5)	8.7	152
35800006	4x(2x0.25)	9	121
35800007	5x(2x0,34)	11.6	167
35800008	12x0.25	7.2	83

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)

Formation

Code	Element	Composition
35800003	(2x0,14)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
	0,5mm ²	Spiral screen of Cu-Sn wires + cover on each wire in Brown and White
35800004	(2x0,14)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
	0,5mm ²	Spiral screen of Cu-Sn wires + cover on each wire in Brown and White
35800005	(2x0,14)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
	0,5mm ²	Spiral screen of Cu-Sn wires + cover on each wire in Brown and White
35800006	(2x0,25)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
	(2x0,34)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
35800007	(2x0,25)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color
	(2x0,34)mm ²	Spiral screen of Cu-Sn wires + cover over the pair in Black color

Colour Table

Code	Element	Colours
35800001	8x2x0.18	Br-Wh + Red-Ora + Gr-Yell + Vio-Blue + Wh-Grey + Wh/Black-Wh/Br + Wh/Red-Wh-Oran + Wh/Green-Wh-Ye
35800002	4x2x0.35	Br-Wh + Vio-Blue + Ye-Green + Red-Orange
	4x0.50	Blue/Wh + Ye/Wh + Red/Wh + Black/Wh
35800003	3x(2x0.14)	Br-Wh + Red-Orange + Green-Ye
	4x0.14	Blue + Grey + Wh/Black + Wh-Ye
	4x0.25	Green/Black + Green/Red + Br/Ye + Br/Grey
	2x0.50	Br/Blue + Br/Red
35800004	3x(2x0.14)	Br-Wh + Red-Oran + Green-Ye
	4x0.14	Blue + Grey + Wh/Black + Wh-Ye
	2x0.50	Br/Blue + Br/Red

Code	Element	Colours
35800005	3x(2x0.14)	Red-Blue + Grey-Pink + Green-Ye
	2x(0.50)	Br + Wh
35800006	4x(2x0.25)	Wh-Ye + Wh-Green + Wh-Red + Wh-Blue
35800007	5x(2x0.34)	Wh-Black + Wh-Ye + Wh-Green + Wh-Red + Wh-Blue
35800008	12x0.25	Wh + Br + Green + Yell + Grey + Pink + Blue +
		Red + Black + Vio + Grey/Red + Red/Blue