



Construction

Conductor	Extra flexible bare copper wires Class VI Acc. to UNE-EN 60228
Insulation	Polyolefin (UL-CSA Standards) Identification: Power: Black numbered (1-2-3) + Yellow/green
General assembly	Insulated conductors laid up together in concentric layers + wrapping of nonwoven tape with eventual fillers in the interstices
Overall screen	Tinned copper wire braid Coverage: 85% + nonwoven tape on the shield
Outer sheath	Polyuethane (UL-CSA Standards) Orange RAL 2003 according DESINA

Technical characteristics

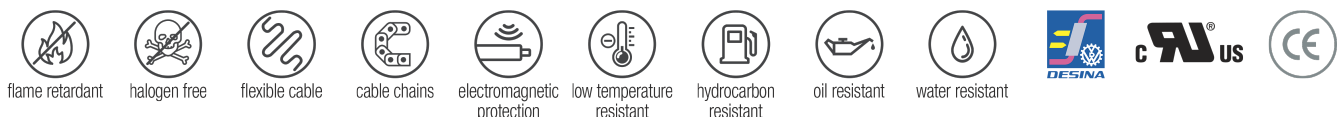
Operating voltage	1000 V (Sections from 1,0mm ²)
Test Voltage	4000 V (Sections from 1,0mm ²)
Operating T^a (conductor)	-40°C to +80°C
Min. bending radius	Fixed installation: 5xD Moving cable: · From 1,5mm ² to 16mm ² : 7,5xD · From 25mm ² : 10xD
Maximum chain speed	300 m/min
Maximum acceleration	50 m/s ²
Maximum chain length	10 m (horizontal)
Bending cycles, max.	6.000.000

Application

Power cable suitable for servomotors. The cables have been specially designed for use in cable drag chains, handling automation, machine tools and machines for transformation and machining. The materials used are resistant to mineral oils, greases, coolants and hydraulic fluids. Cables with low capacitance and protected against electromagnetic interference (EMC). Polyurethane outer sheath abrasion and weather resistant.

Standards / Properties

Ref. for construction/drawing	According to UL 758, UL 1581 and CSA 22.2 210.2 (UL 80° 1000V - CSA AWM I/II A/B 80°C 1000V) According to NFPA 79-2012 Chapter 12.9
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





Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
32813309	4G1.5	8.7	132	13.3
32813509	4G2.5	10.8	199	7.98
32813709	4G4	12.2	276	4.95
32813809	4G6	14	376	3.3
32813900	4G10	17.6	568	1.91
32814000	4G16	21.2	885	1.21
32814109	4G25	25	1315	0.78
32814209	4G35	28.8	2145	0.554
32814309	4G50	33.9	2993	0.386

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)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)