



Construction

Conductor	Flexible bare copper wires Class D according UNE-EN 50525-2-81
Insulation	Rubber (Cross-linked elastomer compound Type EM5) Colour standard: Black

Technical characteristics

Operating voltage	100/100 V
Test Voltage	1000 V
Operating T^a (conductor)	Service: -20°C +85°C During installation: -20°C Minimum
Min. bending radius	Fixed installation: 3xD (Diameter <= 12 mm) 4xD (Diameter >12 mm) Free movement: 5xD (Diameter <= 12 mm) 6xD (Diameter >12 mm)

Application

Flexible rubber cable for arc welding equipment. Use in 100V electrode holders.

Standards

Design	EN 50525-2-81
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Oil resistant	EN 60811-2-1



flame retardant



flexible cable



Constructive Data

Code	NxS (mm ²)	Rc (mm)	Ø exterior (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
06301900	1x16	46	9.2	220	1.21
06302000	1x25	65	10.5	300	0.78
06302100	1x35	73	12.1	410	0.554
06302200	1x50	85	13.5	560	0.386
06302300	1x70	98	16.2	770	0.272
06302400	1x95	110	18.5	1050	0.206
06302500	1x120	120	20.1	1290	0.161
06302600	1x150	135	22.5	1590	0.129
06302700	1x185	146	24.4	1916	0.106
06302800	1x240	177	29.5	2540	0.0801

Legend

Code	Cervi codification
NxS (mm²)	Number of conductors x Section (mm ²)
Rc (mm)	Minimum bending radius (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Maximum admissible current (A) - Ambient T^a 25°C

Section	Service Cycle 100%	Service Cycle 85%	Service Cycle 80%	Service Cycle 60%	Service Cycle 35%	Service Cycle 20%	Service Cycle 8%
10	96	97	98	102	114	137	198
16	130	132	134	142	166	204	301
25	173	179	181	196	234	293	442
35	216	226	229	250	304	384	584
50	274	287	293	323	398	508	779
70	341	360	398	409	510	655	1011
95	413	438	448	502	632	816	1266
120	480	511	523	588	745	966	1501
150	557	594	609	687	875	1137	1771
185	638	683	700	793	1012	1319	2059

Repeated cycle service (5min.)

Correction factor (Ambient T^a)

T ^a Amb. (°C)	F
30	0.96
35	0.91
40	0.87
45	0.82