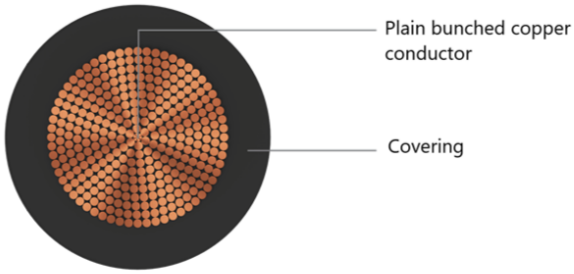
POLYCAB H01N2-D BS EN 50525-2-81
Welding Cable, 100/100 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB H01N2-D, Cross-linked elastomeric single core cable is designed to use for welding in Automotive Industry, Shipyard industry and automatically operated welding lines as well as spot welding. These Cables are suitable to use for interconnecting battery storage system. These cables are highly resistant to low and high temperatures, ozone, acid, oils and gasoline.

CHARACTERISTICS

Voltage Rating
100/100 V

Operation Temperature
Fixed: -20°C to + 85° C

CONSTRUCTION

- Annealed bunched copper conductor as per IEC 60228, class 6.
- Polyester tape over conductor (Optional)
- Insulated with cross linked elastomeric compound as per EM 5 to EN 50363-2-2

Bending Radius
Fixed installation - 8 x Overall diameter

Test Voltage
1000V AC at (20±5) °C

OUTSTANDING FEATURES

• Flexible
• Flame Retardant
• Good Insulation Resistance

STANDARD FOLLOWS

IEC 60228
BS EN 50363-2-2
IEC 60332-1-2
BS EN 50525-2-81

COMPLIANCE

Conductor Resistance test - IEC 60228
Static flexibility test - EN 50396
Impact test - EN 60811
Test under fire condition - EN 60332-1-2

OUR ACCREDITATIONS

APPROVAL

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Weight & Dimension Data

Nominal cross sectional area mm²	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	Max. DC conductor resistance at 20°C Ω/km
10	320/0.2	8.5	141	1.91
16	510/0.2	9.3	204	1.21
25	760/0.2	11.0	284	0.78
35	1100/0.2	12.0	392	0.554
50	1570/0.2	14.0	548	0.386
70	2220/0.2	16.0	761	0.272
95	3020/0.2	18.0	1021	0.206
120	608/0.5	20.0	1276	0.161
150	750/0.5	22.0	1564	0.129

Electrical Characteristics

Current carrying capacity

Nominal cross sectional area	Current rating for single cycle operation over maximum period of 5 minutes Amp			
mm²	100%	85%	60%	35%
10	100	103	108	122
16	135	146	174	228
25	177	192	228	299
35	221	240	285	374
50	279	303	360	472
70	352	382	454	595
95	424	460	547	717
120	500	540	650	850
150	580	630	750	980

Ambient air temperature = 30°C
Maximum conductor temperature = 85°C
The above table is from IS 9857

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De-Rating Factor

Air Temperature	25°C	30°C	35°C	40°C	45°C	50°C
Rating Factor	1.04	1	0.96	0.91	0.87	0.82