

H01N2-D BS EN 50525-2-81

Welding Cable

pro-POWER

Typical guidance values for different welding processes are as follows:

Fully automatic welding 100%

Semi-automatic welding 65 - 85%

Manual Welding 30 - 60%

Very infrequent or occasional welding 20%

Current Carrying Capacity:

Nominal Cross Sectional Area mm ²	Current Rating for Single Cycle Operation over a Maximum Period of 5 Minutes Amps			
	100%	85%	60%	35%
10	100	103	108	122
16	135	145	175	230
25	180	195	230	300
35	225	245	290	375

Ambient Air Temperature : +25°C

Max. Conductor Temperature : +85°C

The above table is from HD 516 S2:1997

De-Rating Factors:

Ambient Temperature	+25°C	+30°C	+35°C	+40°C	+45°C	+50°C	+55°C
De-Rating Factor	1.0	0.96	0.91	0.87	0.82	0.76	0.71

Conductors:

Flexible Copper Conductors for Single Core Cables

Nominal Cross Sectional Area mm ²	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C
		Plain Wires Ω/km
10	0.21	1.91
16	0.21	1.21
25	0.21	0.78
35	0.21	0.554

Dimensions:

Part Number	No. of Cores	Colour Codes	Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000939	1	Black	10	2	9	146
PP000940	1		16	2	10	204
PP000942	1		25	2	11.5	290
PP000944	1		35	2	12.5	384

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Part Number	No. of Cores	Colour Codes	Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000955	1	Red	10	2	9	146
PP000941	1		16	2	10	204
PP000943	1		25	2	11.5	290
PP000945	1		35	2	12.5	384

Part Number Table

Description	Sheath Colour	Reel Length (m)	Part Number
H01N2-D BS EN 50525-2-81 Welding Cable	Black	50	PP000939
			PP000940
			PP000942
			PP000944
	Red		PP000955
			PP000941
			PP000943
			PP000945

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