



General Description:

Tough Rubber Insulated cable for medium stress applications in dry and damp conditions, such as hand tools, lightweight workshop tools and welding equipment.

Application:

Electrical connection to be installed in dry or wet condition. It can be used in flexing condition.

Design:

Dimension and other engineering data according to product list Table 2

Conductor	: annealed bare copper in accordance with HD 383 CLASS 5, IEC 60228 and VDE 0295 Class5
Insulation	: EPR EI4 according to DIN VDE 0207 and DIN VDE 0282 part 1
Identification	: Colour Coded to VDE 0293-1, HD 308 S2 or VDE 0293-308
Sheath	: CPE EM3 according to DIN VDE 0207 and DIN VDE 0282 part 1
Sheath Colour	: Orange

Standard Length:

100m reels

Performance Value:

Parameter	Value
Test Voltage	2,000V AC
Operating voltage	300/500kV
Operating temperature (occasional flexing)	-30°C to +60°C
Operating temperature (fixed)	-40°C to 60°C
Bending radius (fixed)	6D (D is cable diameter)
Bending radius (occasional flexing)	20D (D is cable diameter)
Insulation resistance at 20°C	$10^{12}\Omega\cdot\text{cm}$

Table 1

Marking on Cables:

H05RR-F NO. of Core normal section of conductor mmP2P 300/500V xxx m

Product List:

Cable size mm ²	Insulation thick. mm	Sheath Thick. mm	Diameter Min. (mm)	Diameter Max. (mm)
3 × 0.75mm ²	0.6	0.9	6.6	7.2
3 × 1.5mm ²	0.8	1	8.5	9.3
4 × 0.75mm ²	0.6	0.9	7.1	7.8
4 × 1.0mm ²	0.6	0.9	7.5	8.2
4 × 1.5mm ²	0.8	1.1	9.5	10.4

Table 2

Reference:

DIN VDE 0282 part 4

ECD 73/23/EEC (low Voltage Directive)

Part Number Table

Description	Part Number
Multicore, 3 Core, 0.75mm ² , 100m, 500V	PP000665
Multicore, 4 Core, 0.75mm ² , 100m, 500V	PP000666
Multicore, 3 Core, 1.5mm ² , 100m, 500V	PP000667
Multicore, 4 Core, 1.5mm ² , 100m, 500V	PP000669
Multicore, 4 Core, 1mm ² , 100m, 500V	PP000668

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