

## H05RR-F - Flexible rubber cords



### Application

This flexible rubber cable, with its tough sheathing, is used to feed electrical applications in production environments or other worksites. Very flexible. Strong sheathing material. Excellent resistance to oil and greases (EN 60811-2-1). Good resistance to weather influences (including ozone).

### Global data

Standard	EN 50525-2-21
Type designation	H05RR-F
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see <a href="http://www.prysmiangroup.com/cpr">www.prysmiangroup.com/cpr</a>

### Design features

Conductor	Conductor Material bare copper Conductor shape round (R) Conductor Copper, finely stranded (F), class 5 in accordance with DIN VDE 0295 / IEC 60228
Insulation	Insulation vulcanized rubber compound, basis EPR, compound EI4 in accordance with EN 50363 Color code colored in accordance with HD 308 (DIN VDE 0293-308)
Core arrangement	Cores layed-up together
Outer sheath	Outer sheath vulcanized rubber compound, basis CPE, compound EM3 in accordance with EN 50363, Resistance to oil DIN EN 60811-2-1
Available colours	Black
Marking	U PRYSMIAN MEEI <HAR> H05RR-F 3 G 1,5 300/500 V CE

### Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2 kV

### Chemical parameters

Performance against fire	EN 60332-1-2
UV resistant	Yes
Lead Free	Yes

### Thermal parameters

Max. operating temperature of conductor	60 °C
Max. operating temperature of the conductor	60 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-25 °C
Ambient temperature for fixed installation	min °C ; max + °C
Ambient temperature in fully flexible operation	min °C ; max + °C

Number of cores x cross section	Diameter over insulation mm	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C $\Omega$ /km	CPR fire class	CPR DoP-Code	Delivery length m
2x0,75	2.3	6.2	53	26	Eca	1004146	100, 500, 1000, >=2000
2x1,0	2.4	6.7	63	19.5	Eca	1004146	100, 500, 1000
2x1,5	3.1	8.2	94	13.3	Eca	1004146	100, 1000
2x2,5	3.7	9.6	134	7.98	Eca	1004146	50, 100, 1000
2x4	4.4	11.2	190	4.95	Eca	1004146	100, 1000
3G0,75	2.3	6.7	65	26	Eca	1004146	100, 1000, >=2000
3G1,0	2.4	7	75	19.5	Eca	1004146	100, 1000
3G1,5	3.1	8.7	111	13.3	Eca	1004146	50, 100, 1000, >=2000
3G2,5	3.7	10.2	161	7.98	Eca	1004146	50, 100, 1000
3G4	4.4	11.9	231	4.95	Eca	1004146	50, 100, 1000
3G6	5	13.4	311	3.3	Eca	1004146	100, 1000
4G0,75	2.3	7.3	79	26	Eca	1004146	100, 1000, >=2000
4G1,0	2.4	7.6	92	19.5	Eca	1004146	100, 500, 1000
4G1,5	3.1	9.6	141	13.3	Eca	1004146	50, 100, 500, 1000
4G2,5	3.7	11.3	204	7.98	Eca	1004146	50, 100, 500, 1000, >=2000
4G4	4.4	13.2	295	4.95	Eca	1004146	100, 1000
4G6	5	14.8	397	3.3	Eca	1004146	100, 1000
5G0,75	2.3	8.1	98	26	Eca	1004146	100, 1000
5G1,0	2.4	8.5	115	19.5	Eca	1004146	100, 1000
5G1,5	3.1	10.5	169	13.3	Eca	1004146	100, 1000, >=2000
5G2,5	3.7	12.5	252	7.98	Eca	1004146	100, 500, 1000, >=2000
5G4	4.4	14.7	361	4.95	Eca	1004146	100, 1000