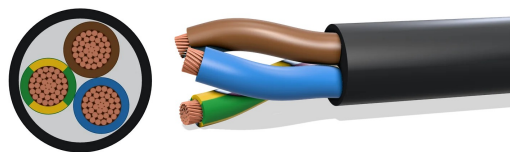


Application

H05RR-F is a harmonised ordinary-duty flexible cable to EN 50525-2-21 with EPR rubber insulation and an ordinary rubber sheath, rated 300/500 V. It is intended for the connection of portable and hand-held appliances and tools subject to light mechanical stress in households, kitchens, offices and workshops, in dry and damp indoor locations, and for use as a flexible supply lead in agricultural and light industrial applications. The cable is flame-retardant and resistant to moisture and moderate temperatures; it is not intended for continuous outdoor exposure, contact with oils or heavy mechanical duty, for which H05RN-F or H07RN-F should be used.



CONSTRUCTION

Conductor	Fine-wire stranded plain (bare) annealed copper, class 5 to IEC/EN 60228.
Insulation	EPR rubber (compound EI 4 to EN 50363-1).
Sheath	Ordinary rubber, natural or synthetic elastomer (compound EM 3 to EN 50363-2-1), round; black.
Core colours	To HD 308 S2: 2 cores brown, blue; 3 cores (G) green/yellow, brown, blue; 3 cores (X) brown, black, grey; 4 cores (G) green/yellow, brown, black, grey; 4 cores (X) blue, brown, black, grey; 5 cores (G) green/yellow, blue, brown, black, grey; 5 cores (X) blue, brown, black, grey, black.

ELECTRICAL & THERMAL PROPERTIES

Rated voltage U₀/U	300/500 V.
Test voltage	2 kV.
Standard	EN 50525-2-21.
Flame-retardant	IEC/EN 60332-1-2.
Conductor standard	IEC/EN 60228 class 5.
Max. conductor temperature	+60 °C.
Permitted outer cable temperature, fixed	-25 °C to +60 °C.
Permitted outer cable temperature, moved	-25 °C to +60 °C.
Min. bending radius, fixed	6 × outer diameter.
Min. bending radius, moved	8 × outer diameter.
Reaction to fire (CPR)	Outside the scope of EN 50575 (flexible connection cable, not for permanent installation in construction works).

DIMENSIONS & TECHNICAL DATA

Cores × mm ²	Cond. R @20°C (Ω/km)	Nominal O.D. (mm)	Weight (kg/km)
2 × 0.75	26	6.2	52
3 × 0.75	26	6.8	64
4 × 0.75	26	7.4	77
5 × 0.75	26	8.2	98
2 × 1	19.5	6.8	61
3 × 1	19.5	7.2	73
4 × 1	19.5	7.8	89
5 × 1	19.5	8.8	113
2 × 1.5	13.3	8.2	94
3 × 1.5	13.3	8.7	112
4 × 1.5	13.3	9.7	140
5 × 1.5	13.3	10.6	172
2 × 2.5	7.98	9.8	137
3 × 2.5	7.98	10.4	166
4 × 2.5	7.98	11.6	207
5 × 2.5	7.98	12.9	260
3 × 4	4.95	12.5	234
4 × 4	4.95	13.9	293
3 × 6	3.3	14.4	319
4 × 6	3.3	16	400

Dimensions and weights are nominal manufacturer values of the leading reference source; conductor resistance is the maximum per IEC/EN 60228 class 5; all values are indicative and non-binding.