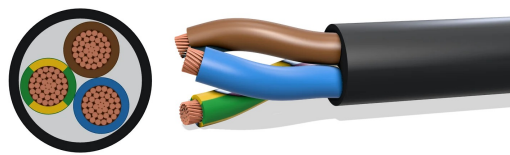


Application

H05RN-F is a harmonised light-duty flexible cable to EN 50525-2-21 with EPR rubber insulation and a polychloroprene (CR) sheath, rated 300/500 V. It is intended for supplying portable and hand-held appliances and tools subject to light mechanical stress in households, kitchens, offices and workshops, in dry, damp and wet locations, and for permanent use outdoors under ordinary-duty conditions. The polychloroprene sheath is oil-, ozone- and weather-resistant and the cable is flame-retardant. Heavier mechanical duty, larger cross-sections or a 450/750 V rating call for H07RN-F.



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	Polychloroprene rubber (compound EM 2 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.

ELECTRICAL & THERMAL PROPERTIES

Rated voltage Uo/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 × mm2	Cond. R @20°C (Ω/km)	Nominal O.D. (mm)	Weight (kg/km)
2 × 0.75	26	6.6	44
3 × 0.75	26	7.2	60
4 × 0.75	26	7.8	82
2 × 1	19.5	7.1	55
3 × 1	19.5	7.5	72
4 × 1	19.5	8.2	87

Outer diameters are indicative mid-band values within the EN 50525-2-21 dimensional limits 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.