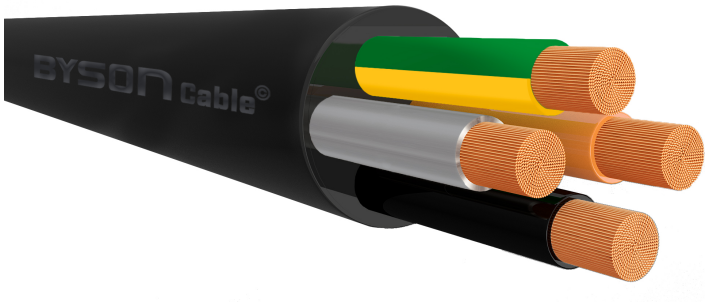
H05RN-F Flexible Rubber Cable

Weather-resistant



TECHNICAL DATA

Rubber connection cable, H05RN-F acc. to DIN VDE 0285-525-2-21 / DIN EN 50525-2-21; 05RN-F in alignment with DIN VDE 0285-525-2-21 / DIN EN 50525-2-21

Temperature range	flexible -25°C to +60°C fixed -30°C to +60°C
Permissible operating temperature of the conductor	+60°C
Nominal voltage	AC U_0/U 300/500 V
Max. permissible operating voltage	alternating current (AC) conductor/earth 318 V three-phase alternating current (AC) conductor/conductor 550 V direct current (DC) conductor/earth 413 V direct current (DC) conductor/conductor 825 V
Test voltage core/core	2000 V
Minimum bending radius	7.5x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: rubber acc. to DIN VDE 0207-363-1 / DIN EN 50363-1 (compound type EI4)
- Core identification acc. to DIN VDE 0293-308, colour coded
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, x = without protective conductor
- Cores stranded with optimal lay lengths
- Outer sheath: rubber acc. to DIN VDE 0207-363-2-1 / DIN EN 50363-2-1 (compound type EM2)
- Sheath colour: black

PROPERTIES

- Resistant to: weathering effects
- For outdoor use
- Note: UV Resistant unless installation in extreme UV exposure and or high/low ambient temperatures i.e. desert or arctic conditions then additional carbon loading sheathing requirements maybe necessary

TESTS

- Flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

APPLICATION

Connection cable for use in dry, damp and wet rooms as well as outdoors; for connecting appliances in households, kitchens or offices involving light mechanical stress (e.g. hoovers, kitchen appliances and other portable household and garden equipment)

NOTES

- The conductor is metrically (mm^2) constructed, AWG numbers are approximated, and are for reference only

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Part no.	No. cores x cross-sec. mm^2	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
3182P075	2 x 0.75	19	6.2	14.4	78.0
3183P075	3 G 0.75	19	6.7	21.6	90.0
3184P075	4 G 0.75	19	7.4	29.0	94.0
3182P010	2 x 1	18	6.7	19.0	94.0
3183P010	3 G 1	18	7.1	29.0	114.0

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Part no.	No. cores x cross-sec. mm^2	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
3184P010	4 G 1	18	7.95	38.0	98.0
3185P010	5 G 1	18	8.6	48.0	134

For Larger sizes please refer to H07RN-F

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm^2	ELECTRIC RESISTANCE AT 20°C Ohm/km	CURRENT CARRYING CAPACITIES IN AIR 30°C (A)
0.75	26	6
1	19.5	10

info@bysoncable.co.uk tel +44 (0)24 76543 291 fax +44 (0) 843 5240132