H05RN-F / 05RN-F

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

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals:
  H05RN-F: HAR
  H05RN-F: EAC

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 (mm²) constructed, AWG numbers are approximated, and are for reference only

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
36001	2 x 0.75	19	5.7 - 7.4	14.4	78.0
36003	3 G 0.75	19	6.2 - 8.1	21.6	90.0
36008	4 G 0.75	19	6.8 - 8.8	29.0	94.0
36002	2 x 1	18	6.1 - 8.0	19.0	94.0
36004	3 G 1	18	6.5 - 8.5	29.0	114.0

05RN-F

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
36005	3 G 1.5	16	8.6 - 11.0	43.0	157.0
36006	5 G 1.5	16	10.5 - 13.5	72.0	228.0

24.10.2023 / We reserve the right to make technical changes; the imprint in the image is purely exemplary