H05BQ-F

robust, flexible in cold temperatures



TECHNICAL DATA

PUR connection cable acc. to DIN VDE 0285-525-2-21 / DIN EN 50525-2-21

Temperature range	flexible -40°C to +80°C fixed -50°C to +90°C
Permissible operating temperature of the conductor	+90°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	2000 V
Minimum bending radius	flexible 5x Outer-Ø fixed 3x 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 EI6)
- 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: Special grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU)
- Sheath colour: orange

PROPERTIES

- resistant to: oil, UV radiation, ozone, oxygen, weathering effects, hydrolysis, microbes, coolants, hydraulic fluids, acids, alkalis, greases, seawater and wastewater
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant
- for outdoor use
- flexible in cold temperatures
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2
- certifications and approvals:
  HAR
  EAC

APPLICATION

Robust, flexible cable for use in dry, damp and wet rooms as well as outdoors. In households and offices for connecting devices where the cable is subject to light mechanical stress, e.g. soldering irons, portable household appliances and hand-held inspection lights.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.
22050	2 x 0.75	19	5.7 - 7.4	14.4	52.0
22051	3 G 0.75	19	6.2 - 8.1	21.6	63.0
22052	4 G 0.75	19	6.8 - 8.8	29.0	80.0
22053	5 G 0.75	19	7.6 - 9.9	36.0	96.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.
22054	2 x 1	18	6.1 - 8.0	19.2	59.0
22055	3 G 1	18	6.5 - 8.5	29.0	71.0
22056	4 G 1	18	7.1 - 9.3	38.4	89.0
22057	5 G 1	18	8.0 - 10.3	48.0	112.0

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