



Type Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Machine construction, torsional applications S-FTP 4x2xAWG 26/19 PUR

Copper, bare (AWG 26/19)
PO
wh/bu, wh/og, wh/gn, wh/bn
Double core
Polyester foil over stranded bundle
-
Polyester foil copper, bare
Cu braid
PUR
7,5 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance:
Mutual capacitance:

100 Ohm \pm 15 ohm at 1 to 100 MHz
50,0 nF/km nom.

Typical values

| Frequency | (MHz) | 10 | 16 | 62,5 | 100 |
|-------------|----------|------|------|------|------|
| Attenuation | (dB/10m) | 1,3 | 1,6 | 3,2 | 4,0 |
| Next | (db) | 47,0 | 44,0 | 35,0 | 32,0 |
| ACR | (db) | 45,7 | 42,4 | 31,8 | 28,0 |

Technical data

Weight: approx. 79,0 kg/km
Min. bending radius for laying: 80,0 mm
Operating temperature range min.: -20 °C
Operating temperature range max.: +80 °C
Caloric load, approx value: 1,23 MJ/m
Copper value: 29,5 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5, Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Oil-resistant

Application

HELUKAT®100T TORDIERFLEX data cables were designed for the most extreme requirements in the industry and other heavy-duty environments in torsion applications. They are characterized by large performance reserves and outstanding performance, even under extreme conditions. Long mechanical service life is also ensured due to a thought-out design. These lines are manufacturable with conventional Sub-D plugs or with various RJ45 plugs.

Part no.

800067, S-FTP 4x2xAWG 26/19 PUR