

# FABER®

## Industrial Ethernet



**Application:** For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms as well as temporary outdoors under medium mechanical stress. The AWG 26 version may be connected with RJ 45 plugs.

### Construction and technical data:

<b>Standard:</b>	ISO/IEC 11801, EN 50173, EN 55022, E DIN 44312-5
<b>Specification/Standard:</b>	ISO/IEC 11801, EN 50173, EN 50228-2-2
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	see article description
<b>Insulation:</b>	foam skin
<b>Stranding:</b>	pairs in layers
<b>Screen:</b>	aluminium foil + tinned copper braid
<b>Screen coverage:</b>	85 %
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-10 - +70 °C
<b>Bending radius, fixed installation:</b>	8 x Ø
<b>Bending radius, moving application:</b>	15 x Ø
<b>Impedance:</b>	100 Ohm
<b>Insulation resistance:</b>	5000 MOhm $\times$ km
<b>Velocity factor (NVP):</b>	0.75 v/c
<b>Category:</b>	5e



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

## Industrial Ethernet

**Maximum operating capacity:**

48 nF/km

**Core identification:**

colours acc. to IEC 60708

part no.	part name	Ø [mm]	Cu [kg/km]	G [kg/km]
100717	FABER® Flex Industrial Ethernet P 02X2X AWG 26/7 (0,14 qmm=7X0,16 mm) FRNC gruen, aehnlich RAL 5021 CAT. 5 Plus	5.9	35	45

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight