



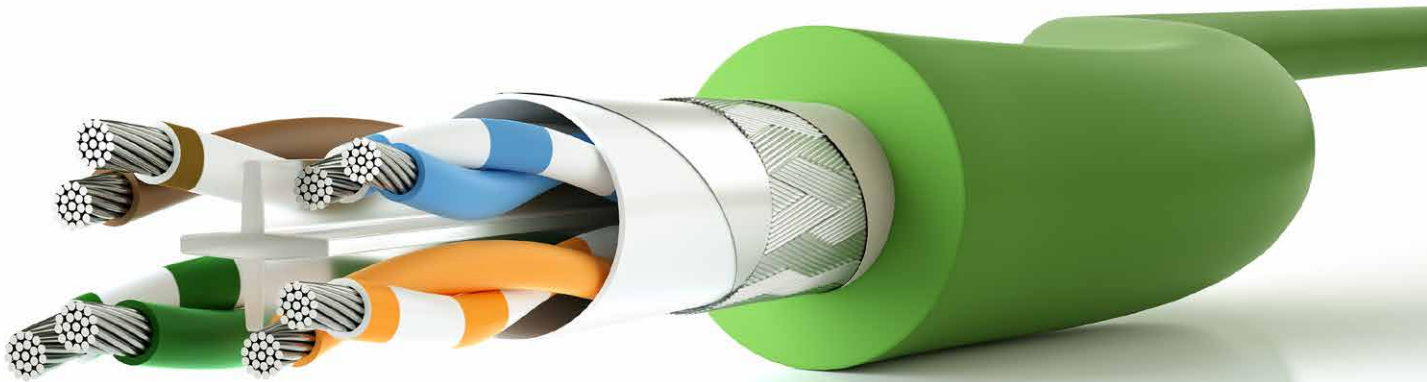
**BRAUNKABEL**

*Passt. Einfach. Perfekt.*

**BK DATA**

**ETHERNET CAT. 6 4 X 2 X 26/19 AWG**

**PUR FC**



**FLAME-RESISTANT**

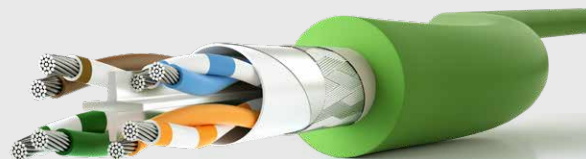
**CMX**

#### APPLICATIONS / PRODUCT FEATURES

- Cabling in accordance with EN 50173
- Industrial Ethernet Category 6 with a transmission rate of up to 1.000 MBit/s
- Meets the real-time requirements for Industry 4.0
- Suitable for flexible and highly flexible applications
- Suitable for drag chains, flame-resistant and halogen-free
- Supports patch cable applications up to max. 60 metres

#### BENEFITS OF BRAUNKABEL

- Direct from the manufacturer
- Excellent precision, dimensional accuracy and centricity, plus small tolerances
- Short delivery times / standard design available from stock
- High UL approvals
- Also optimised for short lengths

**BKDATA****ETHERNET CAT. 6 4 X 2 X 26/19 AWG  
PUR FC**

CONSTRUCTION DETAILS	
Conductor	26/19 AWG tinned
Core insulation	Polypropylen
Stranding	Pairs separated by a cross-shaped spline
Sequence of colour	Blue, white-blue; orange, white-orange; green, white-green; brown, white-brown
Inner sheath	FRNC
Shield	Foil, copper braiding
Tape	Eparating tapes
Outer sheath	PUR
Colour	Green, similar RAL 6018

CHARACTERISTICS	
Flame retardant	According to UL 2556 VW 1
UL	CMX-Listing
Other guidelines	RoHS- and REACH-conform

MECHANICAL PROPERTIES	
Temperature UL range	fixed: -20° to +75° C moved: -20° to +75° C
Temperature out of UL	fixed: -50° to +90° C moved: -50° to +90° C
Min. bending radius	fixed: 4 x diameter moved: 8 x diameter
Bending cycles *	≥ 1 Mio.
Travelling distance *	5 m
Acceleration *	3 m/s <sup>2</sup>
Speed *	3 m/s

\* Testing at +20° Celsius

ELECTRICAL PROPERTIES	
Characteristic impedance	According to IEC 61156-6 (Nominal impedance 100 Ohm)
Conductor resistance	142 Ohm
Voltage	UL-Listing 300 Volt

**CROSS SECTION**

FORMAT / PACKAGING	
100 m ring	Order no. 503174
500 m on bobbin	Order no. 503175
1.000 m on bobbin	Order no. 503176