



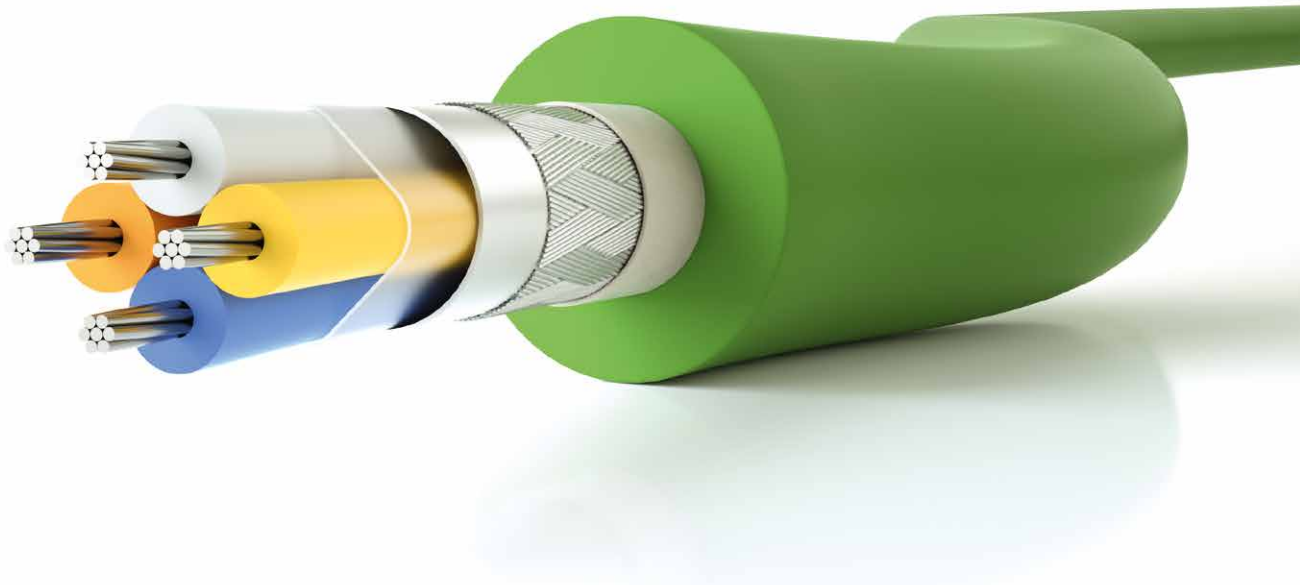
BRAUNKABEL

Passt. Einfach. Perfekt.

BKDATA

ETHERNET CAT. 5e 1 X 4 X 26/7 AWG

PVC



EtherCAT



FLAME-RESISTANT

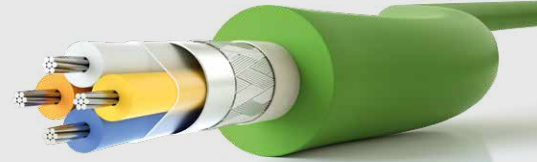
CMX

APPLICATIONS / PRODUCT FEATURES

- Cabling in accordance with EN 50173
- PROFINET® and Ethernet/IP
- Industrial Ethernet Category 5e with a transmission rate of up to 100 Mbit/s
- Meets the real-time requirements for Industry 4.0
- Suitable for flexible use and fixed installation
- Supports patch cable applications up to max. 60 metres
- PROFINET® core coding
- Oil and UV-resistant PVC

BENEFITS OF BRAUNKABEL

- Direct from the manufacturer
- Short delivery times / standard design available from stock
- Space-saving compact design with star quad configuration
- High UL approvals
- Also optimised for short lengths

**BKDATA****ETHERNET CAT. 5e 1 X 4 X 26/7 AWG
PVC**

CONSTRUCTION DETAILS	
Conductor	26/7 AWG tinned
Core insulation	Polypropylen
Stranding	Star-quad
Sequence of colour	According to PROFINET® Code: white, yellow, blue, orange
Shield	Foil, copper braiding
Tape	Eparating tapes
Outer sheath	PVC
Colour	Green, similar RAL 6018
Cable diameter	5.2 ± 0.15 mm

CHARACTERISTICS	
Flame retardant	According to UL 2556 VW 1 (CSA FT 1)
UV-resistant	According to UL 444 Sunlight Resistant
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: -40° to +90° C
	moved: -40° to +90° C
Min. bending radius	fixed: 4 x diameter
	moved: 8 x diameter

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

TRANSMISSION PROPERTIES								
Frequency (MHz)	1*	4	10	16	20	31,25	62,5	100
Attenuation (dB/100m)	2,71	5,49	8,39	10,43	11,54	14,30	20,46	26,50
NEXT (dB)	69	73	60	61	66	59	53	74

* Just for information

CROSS SECTION**FORMAT / PACKAGING**

100 m ring	Order no. 502870
500 m on bobbin	Order no. 502871
1.000 m on bobbin	Order no. 502872