



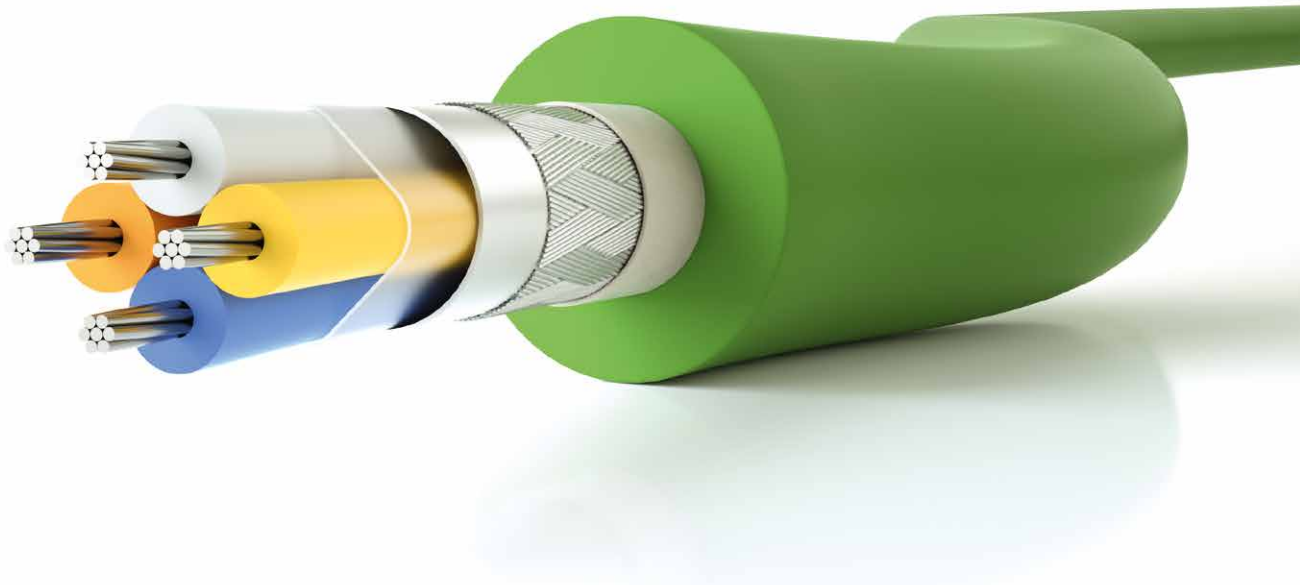
BRAUNKABEL

Passt. Einfach. Perfekt.

BKDATA

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

ECO



EtherCAT



FLAME-RESISTANT

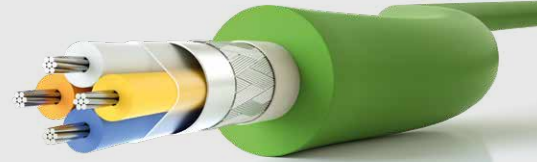
CMX

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
- Fully recyclable and halogen-free outer jacket
- Particularly suitable for food & beverage applications

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

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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	100% recyclable thermoplastic
Colour	Green, similar RAL 6018
Cable diameter	5.2 ± 0.15 mm

CHARACTERISTICS	
Flame retardant	According to UL 2556 VW 1 (CSA FT 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: -25° to +90° C
	moved: -25° 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)	2,65	5,39	8,26	10,27	11,35	14,07	20,02	26,07
NEXT (dB)	83	71	61	64	61	54	52	47

* Just for information

CROSS SECTION

FORMAT / PACKAGING	
100 m ring	Order no. 502876
500 m on bobbin	Order no. 502877
1.000 m on bobbin	Order no. 502878

SUBJECT TO TECHNICAL MODIFICATIONS.

ALL THE LOGOS AND WORD MARKS USED ARE REGISTERED TRADEMARKS

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