


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ETHERLINE® Y Cat.5e BK 2x2AWG22/7	12.09.2012

UV and weather-resistant in black
 For flexible applications (7-wire stranded conductor) = type B
 FAST ETHERNET = 100 Mbit/s



Application range

Many applications with Industrial Ethernet, e.g. PROFINET type B, i.e. fixed installation and flexible use.
 Resistant to acids, alkalis and certain oils at room temperature

Design

Stranded conductor, 7-wire, bare
 Core insulation: Based on Polyolefin
 Star quad
 Overall screening with copper braid and plastic-laminated aluminium foil
 PVC outer sheath

Product features

PVC compound TM2 acc. to VDE 0281-1 or HD 21.1

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 10 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Temperature range:	Flexing: -10°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance:	At 1 - 100 MHz: 100 ± 15 Ohm

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Part number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2170901	ETHERLINE® Y CAT.5e BK 2x2xAWG22/7	2 x 2 x AWG22/7	6,2	30.4	59