

Berk-Tek LANmark Industrial Light-Duty Ethernet Cables enable the expansion and integration of Ethernet into the Industrial environment. With over 50 years of manufacturing expertise, you can be sure these Industrial Cables will perform both mechanically and electrically. With its durable TPE jacket, cold-bend performance, and resistance to oil, weld spatter, and sunlight, this cable is suitable for demanding, static, industrial applications.

DESCRIPTION

Construction

24 AWG solid tinned copper wire insulated with HDPE. Two insulated conductors twisted together to form a pair and four such pairs to form the basic unit, enclosed by polyester tape, with TPE jacket.

Related Standards

Low Voltage - EU Directive 2014/35/EU, CE Approved

RoHS - EU Directive 2011/65/EU

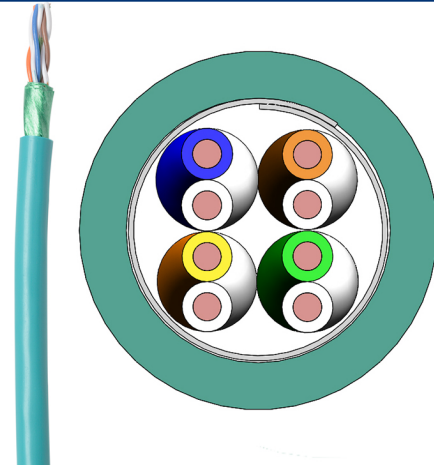
PoE+ - Type 2 (802.3at)

Ratings

Description	Method	
Listed Type	UL1685	CM
Oil Resistance	UL1277 11.2	II (75°C)
Sunlight Resistance	UL444 7.22	Yes (720 hrs)

Attributes

Description	Method	
AWM Style	UL758	2463 (600V, 80°C)
Cold Bend	UL444 7.10	-40°C
Weld Spatter Resistance	Internal (SOP 58.8.12)	Yes
Abrasion	UL2556 7.10	50 cycles/1.5 lb. load
Installation Pull Tension (Max):		
Bend Radius: > 3 inch	Internal	40 lbs.
Bend Radius: > 0.960 inch	TIA 568-C.0	25 lbs.



STANDARDS

International ISO/IEC 11801

National ANSI/TIA-568.2-D;
UL 444

CHARACTERISTICS

Construction characteristics

Conductor material	24 AWG Solid Tinner Copper
Jacket Material	TPE
Core Tape	Polyester
Insulation	HDPE

Dimensional characteristics

Insulated conductor diameter (Nominal)	0.038 in
Average jacket thickness	0.03 in
Cable diameter (Nominal)	0.24 in
Nominal cable weight	29 lb/kft
Length per reel	1000.0 ft

Electrical characteristics

Nominal velocity of propagation	69 %
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Usage characteristics

Recommended installation temperature range	-20 .. 80 °C
Recommended operating temperature range	-40 .. 80 °C
Recommended storage temperature range	-40 .. 80 °C

PRODUCT LIST

Part Number	Description	Packaging	Colour
11100402	LANmark-A774 Cat 5e Solid TPE	Reel	Teal
11101964	LANmark-A774 Cat 5e Solid TPE	Reel	Black

= Make to order, = In stock

LANMARK-A774 - TECHNICAL INFORMATION

Transmission Characteristics

Description

ISO/IEC 11801	Category 5
ANSI/TIA-568.2-D	Category 5e

Color Code

Pair-1	White/Blue	Blue
Pair-2	White/Orange	Orange
Pair-3	White/Green	Green
Pair-4	White/Brown	Brown