

Berk-Tek LANmark-B535 Cat 5e Solid 2-Pr TPE

Berk-Tek LANmark Industrial Medium-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 600V AWM design, 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

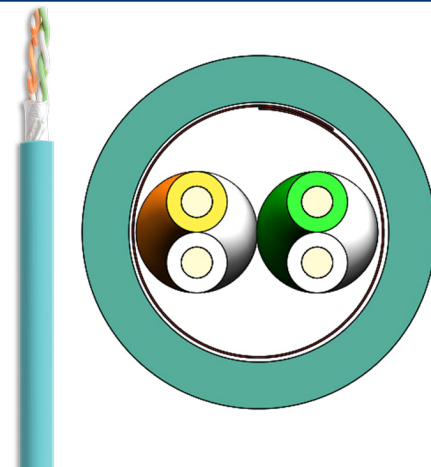
24 AWG solid tinned copper wire insulated with HDPE. Two insulated conductors twisted together to form a pair and two such pairs to form the basic unit, enclosed by polypropylene tape, with TPE jacket.

Related Standards

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

RoHS - EU Directive 2011/65/EU

PoE+ - Type 2 (802.3at)



STANDARDS

International ISO/IEC 11801

National ANSI/TIA 568.2-D;
UL 444

Ratings

Description	Method	
Listed Type	UL1685	CM
Listed Type	UL444	CMX Outdoor
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	75 cycles/1.5 lb. load

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CHARACTERISTICS

Construction characteristics

Conductor material	24 AWG Tinned Copper
Jacket Material	TPE
Core Tape	Foamed polypropylene
Insulation	HDPE

Dimensional characteristics

Insulated conductor diameter (Nominal)	0.042 in
Average jacket thickness	0.03 in
Minimum jacket thickness at any point	0.024 in
Cable diameter (Nominal)	0.24 in
Nominal cable weight	25 lb/kft
Length per reel	1000.0 ft

Electrical characteristics

Nominal velocity of propagation	68 %
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Mechanical characteristics



Maximum installation tension	15 lb
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Usage characteristics

Minimum Bending Radius - Install	0.96 in
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
 11099207	LANmark-B535 Cat 5e Solid 2-Pr TPE	Reel	Teal
 11102349	LANmark-B535 Cat 5e Solid 2-Pr TPE	Reel	Black

 = Make to order,  = In stock

LANMARK-B535 - TECHNICAL INFORMATION

Transmission Characteristics

Description

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

Color Code

Pair-1	White/Orange	Orange
Pair-2	White/Green	Green