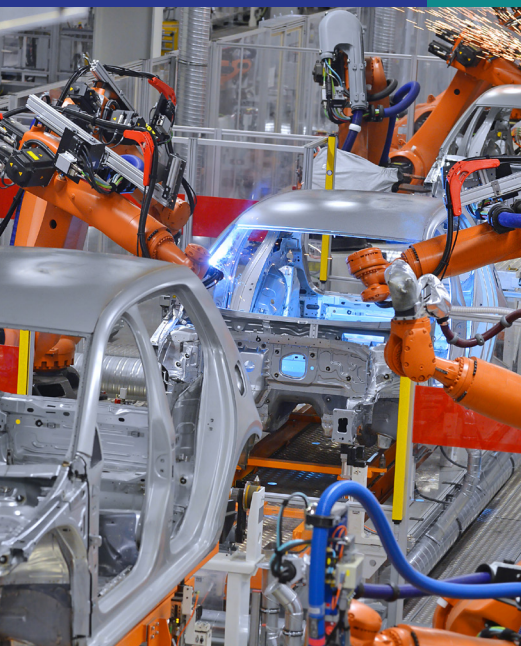


# Industrial Ethernet **PRODUCT SELECTOR**



**Berk-Tek** | a **LEVITON**  
company



# CONNECT WITH CONFIDENCE

Downtime is lost time. And lost time means lost profitability. In harsh and industrial environments, you need reliable, worry-free performance for your Control, Monitor and Process applications. Berk-Tek Industrial Ethernet Solutions give you the confidence to make the connection by avoiding, eliminating and minimizing risk, and ultimately achieving 100% uptime.

## ZONE D: PARKING LOT/REMOTE LOCATIONS

These areas are located more than 100 meters from the closet, and can be inside or outside. Zone D devices typically include cameras, smart sensors, emergency phones, and wireless access points.

## ZONE A: INFRASTRUCTURE IT CABLING

This area is the link between the office and the industrial environment. Cables are installed in a ceiling tray and do not come into contact with machinery or harsh conditions. Zone A typically includes access controls, IP cameras and wireless access points.















## ZONE C: THE MOST DEMANDING CONDITIONS

This is the harshest area of the industrial environment, where cables are exposed to repetitive motion, extreme temperatures, oil, dust, and humidity. Zone C cabling connects motors, robotics, tanks, valves, and process automation equipment.

## ZONE B: CONTROL PANEL INTERCONNECTION

Cables in these panels are exposed to variable temperatures, electrical noise, dust, and other conditions. Zone B cabling connects PLCs, Switches, HMIs, PC-based controllers, and other devices.

## PERFORMANCE RATING KEY: ZONE A | ZONE B | ZONE C










-  Conductor
-  Flame Rating
-  Fungus Resistant
-  Abrasion Resistance
-  Weld Spatter Resistant
-  Voltage Rating
-  Operating Temperature
-  Continuous High Flex Life
-  Indoor/Outdoor Use
-  Water block/resistance
-  Oil Resistance I (60 °C) and II (75 °C)
-  UV/Sunlight Resistance I (300hrs) and II (720hrs)
-  Pull Tension
-  Automation Protocol Compliance

EtherNet/IP<sup>®</sup>  
ODVA

PROFI<sup>®</sup>  
NET








CC-Link IE  
Field

# ZONE A | PRODUCT RECOMMENDATIONS | COPPER

ZONE A: INFRASTRUCTURE IT CABLING FROM THE ENTERPRISE NETWORK TO THE PLANT															
LANmark Industrial Light Duty Series															
		Physical Characteristics					Performance Rating								
		Construction	Wire Gauge	Shielding	Jacket Material	Nominal Diameter									
Cat 5e	LANmark-A753	4 Pair U/UTP	24 AWG	None	PVC	0.23"	Solid	CMR CMX Outdoor	OR I	SR II	600V AWM	-40°C to 80°C	Yes	40 lbs.	EtherNet/IP
	LANmark-A774	4 Pair U/UTP	24 AWG	None	TPE	0.24"	Solid	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	40 lbs.	EtherNet/IP
	LANmark-A921	4 Pair U/UTP	24 AWG	None	PVC	0.23"	Solid	CMR CMX Outdoor	OR I	SR II	300V	-40°C to 75°C	No	40 lbs.	EtherNet/IP
Cat 6	LANmark-A689	4 Pair U/UTP	23 AWG	None	PVC	0.26"	Solid	CMR CMX Outdoor	OR I	SR II	600V AWM	-40°C to 80°C	Yes	40 lbs.	EtherNet/IP
	LANmark-A922	4 Pair U/UTP	23 AWG	None	PVC	0.26"	Solid	CMR CMX Outdoor	OR I	SR II	300V	-40°C to 75°C	No	40 lbs.	EtherNet/IP
Cat 6A	LANmark-A750	4 Pair X/UTP	23 AWG	Discontinuous Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	600V AWM	-40°C to 80°C	Yes	40 lbs.	EtherNet/IP
	LANmark-A920	4 Pair X/UTP	23 AWG	Discontinuous Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	300V	-40°C to 75°C	No	40 lbs.	EtherNet/IP






🔺 = New product

# ZONE A | PRODUCT RECOMMENDATIONS | FIBER

ZONE A: INFRASTRUCTURE IT CABLING FROM THE ENTERPRISE NETWORK TO THE PLANT											
		Physical Characteristics			Performance Rating						
		Construction	Jacket Material	Max Fibers							
GIGAlite OM1 - OM4 or SMF	Premises Distribution I/O	Tight Buffer	PVC	144	Riser, Plenum	Indoor/Outdoor optional	No	No	optional	Yes	-40°C to 75°C
	Heavy Duty Breakout	Tight Buffer (Breakout Style)	PVC/PVDF	48(R) 36(P)	Riser, Plenum	Indoor/Outdoor optional	No	No	optional	Yes	-40°C to 75°C
	Adventum I/O	Loose Tube (DryGel)	PVC/PVDF/LSZH	432	Riser	Indoor/Outdoor	No	No	Yes	Yes	-40°C to 75°C
	Outside Plant All Dielectric	Loose Tube (Gel Filled)	MDPE	432	No	Outdoor	No	No	Yes	Yes	-40°C to 75°C

All Berk-Tek cables are suitable for tray installation. Berk-Tek fiber cables are available with Armor-Tek Aluminum for superior crush and rodent resistance. Direct Bury with corrugated steel available on Adventum I/O and Outside Plant All Dielectric.










## ZONE B | PRODUCT RECOMMENDATIONS | COPPER

ZONE B: CONTROL PANEL INTERCONNECTION															
LANmark Industrial Medium Duty Series															
		Physical Characteristics					Performance Rating								.
		Construction	Wire Gauge	Shielding	Jacket Material	Nominal Diameter									
Cat 5e	LANmark-B535	2 Pair U/UTP	24 AWG	None	TPE	0.24"	Solid	CM CMX Outdoor	OR II	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	EtherNet/IP
	LANmark-B536	2 Pair SF/UTP	24 AWG	Braid and Foil	TPE	0.27"	Solid	CMR CMX Outdoor	OR II	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	EtherNet/IP
	LANmark-B537	4 Pair SF/UTP	24 AWG	Braid and Foil	TPE	0.28"	Solid	CMR CMX Outdoor	OR II	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	EtherNet/IP
	LANmark-B789*	2 Pair SF/UTP	22 AWG	Braid and Foil	TPE	0.30"	Solid	CM CMX Outdoor	OR II	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	PROFINET
	LANmark-B587	2 Pair SF/UTP	24 AWG	Braid and Foil	PVC	0.26"	Stranded	CMR CMX Outdoor	OR I	SR I	-40°C to 80°C	600V AWM	No	40 lbs.	EtherNet/IP
	LANmark-B585	2 Pair U/UTP	24 AWG	None	PVC	0.24"	Stranded	CMR CMX Outdoor	OR I	SR I	-40°C to 80°C	600V AWM	No	40 lbs.	EtherNet/IP
	LANmark-B540	4 Pair U/UTP	24 AWG	None	PVC	0.25"	Stranded	CMR CMX Outdoor	OR I	SR I	-40°C to 80°C	600V AWM	No	40 lbs.	EtherNet/IP
	LANmark-B907	4 Pair SF/UTP	24 AWG	Braid and Foil	PVC	0.30"	Stranded	CMR CMX Outdoor	OR I	SR I	-40°C to 80°C	600V AWM	No	40 lbs.	EtherNet/IP
Cat 6	LANmark-B752	4 Pair F/UTP	23 AWG	Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	EtherNet/IP
	LANmark-B840*	4 Pair F/UTP	22 AWG	Foil	PVC	0.37"	Solid	CMR CMX Outdoor	OR I	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	
	LANmark-B917	4 Pair F/UTP	23 AWG	Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	-40°C to 75°C	300V	No	40 lbs.	EtherNet/IP
Cat 6A	LANmark-B751	4 Pair F/UTP	23 AWG	Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	-40°C to 80°C	600V AWM	Yes	40 lbs.	EtherNet/IP
	LANmark-B919	4 Pair F/UTP	23 AWG	Foil	PVC	0.31"	Solid	CMR CMX Outdoor	OR I	SR II	-40°C to 75°C	300V	No	40 lbs.	EtherNet/IP

\* Tray Rating: LANmark-B840 is PLTC rated; LANmark-B789 is PLTC/ITC rated

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## ZONE C | PRODUCT RECOMMENDATIONS | COPPER

ZONE C: NEAR MACHINES AND EQUIPMENT																	
LANmark Industrial Heavy Duty Series																	
		Physical Characteristics					Performance Rating										
		Construction	Wire Gauge	Shielding	Jacket Material	Nominal Diameter											
Cat 5e	LANmark-C541	2 Pair SF/UTP	24 AWG	Braid and Foil	TPE	0.26"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP
	LANmark-C542	4 Pair SF/UTP	24 AWG	Braid and Foil	TPE	0.30"	Stranded	CMR CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP CC-Link IE
	LANmark-C538	2 Pair U/UTP	24 AWG	None	TPE	0.24"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP
	LANmark-C539	4 Pair U/UTP	24 AWG	None	TPE	0.24"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP
	LANmark-C547*	2 Pair SF/UTP	22 AWG	Braid and Foil	TPE	0.31"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	PROFINET
	LANmark-C826*	2 Pair SF/UTP	22 AWG	Braid and Foil	TPE	0.31"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	
	LANmark-C851*	2 Pair SF/UTP	22 AWG	Braid and Foil	TPE	0.31"	Stranded	CM CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP
Cat 6A	LANmark-C545	4 Pair SF/UTP	24 AWG	Braid and Foil	TPE	0.32"	Stranded	CMR CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	EtherNet/IP CC-Link IE
	LANmark-C637	4 Pair SF/UTP	26 AWG	Braid and Foil	TPE	0.29"	Stranded	CMR CMX Outdoor	OR II	SR II	600V AWM	-40°C to 80°C	Yes	35 million	75 cycles/1.5 lb	40 lbs.	CC-Link IE

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\* Tray Rating: LANmark-C547 and LANmark-C826 are PLTC/ITC rated; LANmark-C851 is PLTC rated

## ZONE C | PRODUCT RECOMMENDATIONS | FIBER

ZONE C: NEAR MACHINES AND EQUIPMENT											
Gigalite OM1 - OM4 or SWF	Physical Characteristics			Performance Rating							
	Construction	Jacket Material	Max Fibers								
	Premises Distribution Harsh Environment	Tight Buffer	PVDF	144	Plenum	Indoor/Outdoor	Yes	Yes	Yes	Yes	-40°C to 75°C
	Adventum Harsh Environment	Loose Tube (DryGel)	PVDF	432	Plenum	Indoor/Outdoor	Yes	Yes	Yes	Yes	-40°C to 75°C





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