



## Armored Cable & Applications

### INDUSTRIAL

- **Armored Instrumentation Pairs/Triads, Individual & Overall Shield**  
Monitor process parameters such as pressure, flow rate, temperature, and transmit low voltage signals to the instrumentation or process control room
- **Aluminum Interlock Armor (AIA)**  
All raceways, direct burial, dry or wet, Class I & II (Div 2), Class III (Div 1 & 2)
- **Continuously Corrugated Weld (CCW)**  
All raceways, direct burial, dry or wet, MC-HL Class I, II, III (Divs 1 & 2)
- **Medium Voltage Armored Cable**  
Feeders in industrial and utility power distribution systems, approved for Classes I and II (Div 2) and Class III (Divs 1 & 2), hazardous locations - NEC Articles 501, 502 and 503
- **TECK 90**  
All raceways, direct burial, dry or wet

### COMMERCIAL

#### MC Feeder (XHHW-2 / 600V Copper)

Used for service, branch, and feeder circuits

## Armored Cable Accessories

Omni Cable stocks a full line of Thomas & Betts Star Teck Extreme fittings for armored cable of all sizes. The STE cable fittings are designed for general use applications, and the STEX fittings are designed specifically for hazardous areas. Both are designed to withstand the harshest environments.

### STE SERIES

- General use location
- Class I, Division 2
- NEMA 4, 4X, 6P

#### STE050 - STE200

NEMA 6P

#### STE250 - STE400

NEMA 4

#### STE050 - STE400

NEMA 4X

### STEX SERIES

- Hazardous location
- Class I, Division 1, Groups A,B,C,D
- Class II, Division 1, Groups E,F,G
- NEMA 4, 4X, 6P

## CONSTRUCTION

### Conductor

- Size/gauge - varies
- Stranded bare copper

### Shielding

Shielded or non-shielded

### Insulation

- Polyvinyl Chloride (PVC)
- Cross-Linked Polyethylene (XLPE)
- Ethylene Propylene Rubber (EPR)

### Jacket

Sunlight Resistant Polyvinyl Chloride (PVC)

### Voltage

600V, 2.4kV, 5kV/8kV, 15kV



# ARMORED CABLE SELECTION GUIDE



AIA	VOLTAGE						INSULATION				TEMP. °C		ADDITIONAL INFO					
	300V	600V	1000V	2.4kV	5kV	15kV	PVC	EPR	XLPE	TFN	90	105	Shield	Grounded	DB*	Fittings	Jacket	UL
600V Type MC-3		X						X		X				X	X	X	X	X
600V Type MC-4		X						X		X				X	X	X	X	X
600V Type MC-14 AW G Multi-conductor		X						X		X				X	X	X	X	X
2.4kV Type MV-90 EPR Insulation NS*				X				X		X			X	X	X		X	X
5kV Type MV-105 EPR Insulation Shielded					X			X			X	X	X	X	X	X	X	X
15kV Type MV-105 EPR Insulation Shielded						X		X			X	X			X	X	X	X

CCW	VOLTAGE						INSULATION				TEMP. °C		ADDITIONAL INFO					
	300V	600V	1000V	2.4kV	5kV	15kV	PVC	EPR	XLPE	TFN	90	105	Shield	Grounded	DB*	Fittings	Jacket	UL
300V Type PLTC/ITC Instrumentation	X						X					X	X		X	X	X	X
600V Type MC-HL Instrumentation		X								X	X		X		X	X	X	X
600V Type MC-HL		X								X	X				X	X	X	X
600 V Type MC-HL with Ground		X								X	X				X	X	X	X
5kV- Type MC-HL EPR Insulation NS					X			X		X			X	X	X	X	X	X
5kV- Type MC-HL/ MV105 EPR Insulation Shielded					X			X			X	X	X	X	X	X	X	X
15kV Type MC-HL/ MV105 EPR Insulation Shielded						X		X			X	X	X	X	X	X	X	X

TECK 90	VOLTAGE						INSULATION				TEMP. °C		ADDITIONAL INFO					
	300V	600V	1000V	2.4kV	5kV	15kV	PVC	EPR	XLPE	TFN	90	105	Shield	Grounded	DB*	Fittings	Jacket	UL
1kV, 600V Multi-conductor with Ground		X	X						X		X			X	X	X	X	X

HAZARDOUS LOCATION CLASSIFICATION	CLASS I		CLASS II		CLASS III		ADDITIONAL INFO	
	DIVISION 1	DIVISION 2	DIVISION 1	DIVISION 2	DIVISION 1	DIVISION 2	CSA C22.2 No.131	
AIA		X		X	X	X		
CCW	X	X	X	X	X	X		
TECK 90							X	

\*DB - Direct Burial / NS - Non-shielded

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