

LUTZE ETHERNET Light Industrial Duty PVC

Ethernet Cable for Stationary Applications



Application

- For the cabling of industrial Ethernet systems
- Cable design for industrial environments and operating conditions with low electrical noise levels
- For interconnection of automated equipment inside the factory environment
- For stationary applications
- Compliant with NFPA 79 requirements

Characteristics

- Oil, abrasion, and sunlight resistant
- Design and approvals for machine and field level
- Talc and silicone free

Technical data

Voltage	300V 600V AWM
Test voltage	2000V
Impedance	100Ω ± 10Ω
DC resistance	Max. 9.38Ω/100m
Operating capacitance	< 56pF/m
Temperature range	-40°C - +80°C
Bending radius min	7.5 x cable OD
Burning behavior	Flame retardant per UL 1666 (Riser)
Approvals	CMR 75C CMX Outdoor 75C AWM 21695 80C 600V UL 444 -40°C Cold Bend Meets NEC 392, 800 Sun Res RoHS, REACH
AWG specific approvals	
AWG 22:	PLTC Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation HDPE
- Pairs cabled with cross shaped spline
- A1040001: U/UTP unshielded
- A1040005, A1040006: F/UTP foil shield 100% coverage
- Oil resistant PVC jacket
- Teal jacket similar to RAL 5021

For further information, see Ethernet pages in the Technical Overview

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
Industrial Ethernet/Ethernet IP, Unshielded					
A1040001	4x2xAWG23/1 CMX Outdoor, CMR, AWM 21695 600V Cat6, U/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.7	0.264	30	13

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
Industrial Ethernet/Ethernet IP, Shielded					
A1040005	(4x2xAWG23/1) CMX Outdoor, CMR, AWM 21695 600V Cat6A, F/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	8.0	0.315	43	13
A1040006	(4x2xAWG22/1) PLTC, CMX Outdoor, CMR, AWM 21695 600V Cat6, F/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.3	0.368	55	16