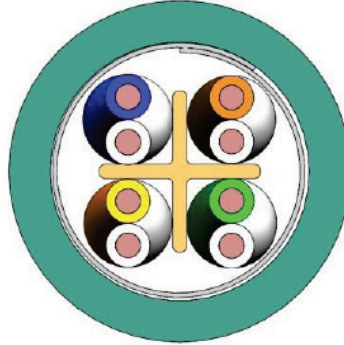


# LUTZE UNSHIELDED ETHERNET FOR LIGHT INDUSTRIAL DUTY

## CAT6 UTP 4X2XAWG23 PVC



**Part#:** A1040001



### Construction:

Conductor	Solid bare copper wire per ASTM B3, B258	AWG23/1
Insulation	HDPE	ca. 0.99 mm Ø
Pair twisting	Two cores twisted to pairs WHBU/BU, WHOR/OR, WHGN/GN, WHBN/BN	
Cable lay up	2 conductors twisted in pairs, pairs cabled with cross shaped spline	
Inner separator	Foamed PP tape	
Jacket	PVC, flame retardant, teal color	6.7 ± 0.25 mm Ø
Jacket printing	www.lutze.com Part# A1040001 LUTZE ELECTRONIC ETHERNET CAT6 UTP PVC 4- PAIR AWG23 E319350 c(UL) CMX OUTDOOR CMR 75°C SUN RES or AWM STYLE 21695 80°C 600V OIL RESISTANT RoHS	

### Electrical data:

Operating voltage	Max rated voltage per AWM 21695	600 V
Test voltage	Cond./Cond. + Cond./Screen	2,000 V
DC resistance		max. 9.38 Ω/100m
DC Resistance unbalanced		5%
Mutual Capacitance		5.6 nF/100m

10/3/2017- subject to technical changes

Version 1.0, Created by SG

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## CAT6 UTP 4X2XAWG23 PVC



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Transmission performance	ISO/IEC 11801 Category 6 ANSI/TIA-568-C2 Category 6	
Velocity of propagation	Nominal	68%

### Mechanical and Temperature Data:

Temperature range	fixed installation	-40°C to + 80°C
Bending radius	fixed installation	≥ 7.5 x OD
Burning behavior	Flame retardant acc. to UL 1666 (riser)	
Oil resistance	UL 1581 50.182 60C	
Cold bend	UL444 7.10 -40C	
Abrasion	75 cycles/1.5 lb. load per UL 2556 7.10	
Tension	25 lbs. per TIA 586-C.0, or 40 lbs. with 3-inch or greater radius	
Cable weight	30 lbs./1000 ft.	
Copper weight	13 lbs./1000 ft.	

### Approvals:

UL	c(UL)us CMX Outdoor, CMR 75C SUN RES, AWM Style 21695 80°C 600V	
Other compliances	RoHS-directive 2011/65/EC, low voltage directive 2014/35/EU REACH compliant, Free of conflict minerals Silicone free	