

Industrial Ethernet Category 6A – 4 Pair F/UTP Shielded Twisted Pair Cable



Applications:

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+, PoE++
- CDDI, Token Ring, ATM
- Broadband and Baseband Analog Video
- Voice, T1
- Harsh Industrial Environments
- Noisy (EMI) Environments

Compliances:

- UL Verified to ANSI/TIA 568.2-D Category 6A
- NEC/CEC Type: UL Listed CMX OUTDOOR - CMR
- NEC/CEC Type CMR (UL 1666)
- UL AWM Style 21047 (UL: 75°C, 600 V)
- UV RES per UL 444
- RoHS II Compliant (EU DIRECTIVE 2011/65/EU)

Features & Benefits:

- Foil shield reduces electromagnetic interference (EMI) for optimal performance
- Third-party verified for guaranteed performance
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Industrial-grade oil- and sunlight-resistant jacket

Construction:

Insulation

- HDPE

Shield Coverage

- 100% Foil

Color Code

- Pair 1: White, Blue
- Pair 2: White, Orange
- Pair 3: White, Green
- Pair 4: White, Brown

Rip Cord

- Non-Applicable

Jacket

- Oil- and Sunlight- Resistant PVC

Jacket Colors

- Red, Black, Teal

Print Legend:

**** FEET PRYSMIAN L GCR 1482 INDUSTRIAL F/UTP CAT 6A RISER 4PR 23AWG CMX OUTDOOR - CMR C (UL)US 75C VERIFIED (UL) ANSI/TIA-568.2-D CAT 6A AWM 21047 75C 600V -- FT4 OIL RES II UV RES MOYR #####



Catalog Number	Spec Number	Nominal O.D.		Cable Weight Mft		No. Pairs	Cond. AWG Size	Jacket Thickness	
		Inches	mm	Lbs	kg			Inches	mm
GCR1482	7526	0.305	7.747	46	21	4	23	0.032	0.813

ELECTRICAL PERFORMANCE

Frequency MHz	PSACR (dB/100 m) (min)	ACRF (dB/100 m) (min)	Insertion Loss (dB/100 m) (max)	PSNEXT (dB) (min)	NEXT (dB) (min)	PSACRF (dB/100 m) (min)	ACR (dB/100 m) (min)	Return Loss (dB) (min)
1	70.2	67.8	2.1	72.0	74.3	64.8	72.2	20.0
4	59.5	55.8	3.8	63.3	65.3	52.8	61.5	23.6
10	51.4	47.8	5.9	57.3	59.3	44.8	53.4	26.0
16	46.8	43.7	7.5	54.2	56.2	40.7	48.8	26.0
20	44.4	41.8	8.4	52.8	54.8	38.8	46.4	26.0
31.25	39.4	37.9	10.5	49.9	51.9	34.9	41.4	25.5
62.5	30.4	31.9	15.0	45.4	47.4	28.9	32.4	23.5
100	23.2	27.8	19.1	42.3	44.3	24.8	25.2	22.5
150	16.0	24.3	23.7	39.7	41.7	21.3	18.0	18.9
200	10.2	21.8	27.6	37.8	39.8	18.8	12.2	18.0
250	5.2	19.8	31.1	36.3	38.3	19.8	7.2	17.3
300	0.9	18.3	34.3	35.1	37.1	18.3	2.9	16.8
400	—	15.8	40.1	33.3	35.3	15.8	—	18.9
500	—	13.8	45.3	31.8	33.8	13.8	—	15.2

ELECTRICAL CHARACTERISTICS

Maximum DC Resistance	9.38 Ohms/100 m (328 ft) @ 20 °C
DC Resistance Unbalanced Individual Pair	4%
Maximum Mutual Capacitance	17 pF/ft @ 1 KHz
Maximum Delay Skew	35 ns/100 m
Nom. Velocity of Propagation	70% Speed of Light
Characteristic Impedance Frequency (f): 1-200 MHz	Ohms: 100 ± 15

MECHANICAL CHARACTERISTICS

Maximum Pulling Force	40 lbs.
Minimum Bend Radius	2.50"
Installation Temperature Rating	-20°C to +75°C
Operation Temperature Rating	-40°C to +75°C