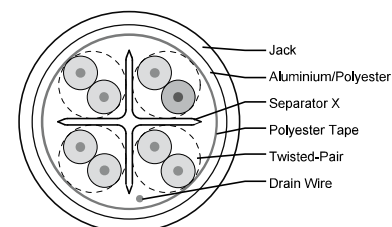


10G Cat6A F/UTP 4-Pair LAN Cable

Actassi 10G Cat6A F/UTP 4-Pair Cable is a high quality product delivering excellent network performance when using in conjunction with other Actassi 10G products. The Cat6A F/UTP cable consists of 4 pairs of solid insulated copper 23 AWG (0.60mm). It is designed for use in horizontal cabling situations and applied in 305m (1,000ft) plastic reel. The cable provides a significant margin above the Category 6A Alien Crosstalk (ANEXT) requirement of TIA/EIA 568-B.2-10 Category 6A and ISO/IEC 11801 Class Ea.



PHYSICAL SPECIFICATIONS

Rated Temperature (°C)	75
Application	Horizontal Wiring in LAN
Reference Standards	TIA/EIA 568B.2-10 & ISO/IEC 11801 Class Ea

CONSTRUCTION

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. Nom. (mm)	0.60
Insulation	HD PE
Average Thickness (mm)	0.27
Insulation Dia. (+/-0.05mm)	1.15
Twisting Lay Length (mm)	30 underneath
Cabling lay Length (mm)	200 underneath
Filler	PE
Shield	Polyester Tape
Drain Wire	Stranded Tinned copper (7/0.2mm)
Shield	Aluminium/Polyester
Jacket	PVC or LSZH
Average Thickness	0.6
Outer Dia. (+/-0.2mm)	7.3

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Before Tensile strength (Kg/mm ²)	≥ 1.05
Aging Elongation (%)	≥ 100
Aging Condition Kg/mm ² (°C x hrs)	100 x 240
After Tensile Strength (Kg/mm ² pt)	≥ 85% of unaged
Aging Elongation (%)	≥ 50% of unaged
Cold Bend (-20 +/- 2°C x 4hrs)	No crack

ELECTRICAL CHARACTERISTICS

1.0-100.0MHz Input Impedance (Ohms)	100 ± 15
100-250MHz Input Impedance (Ohms)	100 ± 22
1.0-250.0MHz Delay Skew (ns/100m)	≤ 45
Pair-to-Ground Capacitance Unbalance (pf/100m)	≤ 330
Max. Conductor DC Resistance 20°C (Ohms/Km)	72
Resistance Unbalance (%)	≤ 5

PRODUCT FEATURES

- Complies with TIA/EIA-568-B.2-10 Category 6A and ISO/IEC 11801 Class Ea Standards
- Centre filler to maintain pair twisting and optimum NEXT and ELFEXT performance
- Aluminium foil to eliminate ANEXT across cables
- 23 AWG conductors for improved Insertion Loss performance

CUSTOMER BENEFITS

- Aluminium foil helps to optimum Alien Crosstalk performance
- Exceeds TIA/EIA-568-B.2-10 Category 6A and ISO/IEC 11801 Class Ea requirements
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications

10G Cat6A F/UTP 4-Pair LAN Cable

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RL (dB)	DELAY (ns/100m)	PSANEXT (dB)	PSAACRF (dB)
1	2.1	74.3	72.3	67.8	64.8	20	570	67	67
4	3.8	65.3	63.3	55.8	52.8	23	552	67	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	547	67	60.1
10	5.9	59.3	57.3	47.8	44.8	25	545	67	58.2
16	7.5	56.2	54.2	43.7	40.7	25	543	67	54.1
20	8.4	54.8	52.8	41.8	38.8	25	542	67	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541	67	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540	67	48.3
62.5	15	47.4	45.4	31.9	28.9	21.5	539	65.6	42.3
100	9.1	44.3	42.3	27.8	24.8	20.1	538	65.6	38.2
200	27.6	39.8	37.8	21.8	18.8	18	537	58	32.2
250	31.1	38.3	36.3	19.8	16.8	17.3	536	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536	55.3	28.7
400	40.1	35.3	35.1	15.8	12.8	15.9	536	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536	52	24.2

DIMENSIONS

Shipping Reel	400mm(W) x 215mm(H)
Shipping Weight	17kg

CATALOGUE NUMBER	DESCRIPTION
ACTTG4P6ASCM3RBU	CABLE LAN 4PR 10G PVC 305M REEL
ACTTG4P6ASLS3RBU	CABLE LAN 4PR 10G LSZH 305M REEL