



PRODUCT DESCRIPTION

Shielded copper cable, 4 pairs, Category 6, solid. Four separately foil shielded twisted pairs are jacketed with FR-LSZH compound and an additional black UV-resistant FR-LSZH compound. Cable is used for outdoor installation, high bandwidth digital applications with low bit error rate, high data rates.

APPLICATIONS

High data rates, High bandwidth digital applications with low BER, Indoor use, fixed installations.

STANDARDS

- Meets IEC 61156
- SO/IEC 11801
- TIA/EIA-568 requirements
- IEC 60332-1
- UL 1581 VW-1 fire safety standards

FEATURES

- High performance rate of transmission
- High quality of safety property
- Meets/exceeds typical values
- Meets ISO/IEC 11801 (Edition2.2)
- Meets IEC 61156-5 (Edition2.0)
- Quick Count marking system in feet
- Lower cross talk

PHYSICAL & ELECTRICAL CHARACTERISTICS

Conductor DC resistance	73 Ohm/km (117.53 Ohm/ mile) max.
Resistance Unbalance	2% max.
Impedance	100 Ohm
Insulation resistance	5 GOhm/km (8 GOhm/mile) min.
Max. Resistance Unbalance:	2%
Capacitance Unbalance	1,2 pF/m (0.36 pF/ft) max.
Velocity of Propagation	80 % nom.
Propagation Delay Skew	35 ns/100 m (12.25 ns/100 ft) max.
Dielectric Strength	700 V/minute
Dielectric Strength to Shield:	700 V/minute

ELECTRICAL PERFORMANCE COMPARISON (At 20 °C)

Frequency (MHz)	Insertion		NEXT		PS. NEXT	
	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	2.0	2.8	93.0	75.3	90.0	72.3
4	3.7	3.8	88.0	66.3	85.0	63.3
10	5.7	6.0	88.0	60.4	85.0	57.3
20	8.1	8.5	88.0	55.8	85.0	52.8
30	10.0	10.5	88.0	53.1	85.0	50.1
100	19.0	19.9	83.0	45.3	80.0	42.3
150	23.6	24.9	83.0	42.7	80.0	39.7
200	27.7	29.1	83.0	40.8	80.0	37.8
250	31.4	33.0	80.0	39.3	77.0	36.3

Frequency (MHz)	PS.ACRF		ACRF		RETURN LOSS	
	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	90.0	65.0	93.0	68.0	22.0	20.0
4	90.0	53.0	93.0	56.0	25.0	23.0
10	80.0	45.0	83.0	48.0	28.0	25.0
20	80.0	39.0	83.0	42.0	28.0	25.0
30	70.0	35.5	73.0	38.5	27.0	23.8
100	63.0	25.0	66.0	28.0	24.0	21.1
150	60.0	21.5	63.0	24.5	22.0	18.8
200	58.0	19.0	61.0	22.0	21.0	18.0
250	55.0	17.0	58.0	20.0	20.0	17.3

MATERIALS & CONSTRUCTION

Conductor Material	Bare Copper
Conductor insulation	PO, film-porous-film structure
The outer cable jacket	FR-LSZH, UV-resistant
The inner cable jacket	FR-LSZH
Shield	Every pair is separately shielded with polyester aluminum foil (foil is on the outside)
Drain	Tinned copper
Insulated conductor diameter	1.34 mm (0.05")
Inner jacketed cable diameter	7.2 (0.28")
Outer cable diameter	9.6 mm (0.38")
Drain wire diameter	24 AWG
Pulling strength	150 N max.
Minimum bend radius	96 mm (3.78")
Operating temperature	-40°C - +70°C (-40°F - +158°F)
Weight per 1000 ft (304.8 m)	57.1 lbs (25.9 kg)
NRTL Program	UL listed
Marking	Per Hyperline Standard

ORDERING

Part Number	Product Description
UFTP4-C6-SOLID-OUTDOOR-40 -FR-LSZH	CATEGORY 6 SHIELDED TWISTED PAIR CABLE (STP), 4 PAIRS, CATEGORY 6, SOLID, OUTDOOR, UV-RESISTANT FR-LSZH