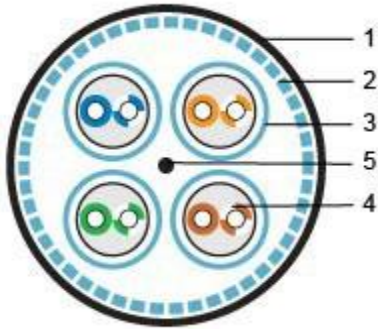


## Twisted Pair Cable (SSTP), 4 pairs, Category 7a (1000 MHz, 10GBE), Solid



### Description



- 1 – Jacket
- 2 – Shield-braid
- 3 – Shield-foil
- 4 – Solid twisted pair
- 5 – Drain wire

### Specifications:

Meets IEC 61156-5, IEC 61156-5 category 5e, 6, 7a requirements and ISO/IEC 11801 category 7a requirements  
Fire protection – CM  
The cable meets UL 1581 WW-1, IEC 60332-1 fire safety standard

### Description:

Shielded Copper cable, 4 pairs, category 7a (1000 MHz, 10GbE), solid  
4 separately foil-shielded pairs

General shield: wire braid

Cable is used for indoor installation

**Materials:**

Conductive material: wire made of soft annealed electrolytic copper

Conductor insulation: PE, film-porous-film structure

The cable jacket: FR-LSZH (low smoke zero halogen)

Shield: every pair is separately shielded with polyester aluminum foil (foil is outside), which covers 100% of twisted pair

General shield: tin Copper braid – 60% minimum

**Technical characteristics:**

Conductor diameter: 0.57 mm (0.022") (23 AWG)

Outer cable diameter: 8.0 mm (0.4")

Insulation diameter: 1.43 (0.06")

Min. bend radius: 80 mm (3.15")

Operating temperature: -40°C – +70°C (-40°F – +158°F)

Weight per 1000 ft (304.8 m): 22.3 kg (49.1 lbs)

Standard package: 500 m (1640 ft)

**Electrical characteristics:**

**Cat. 7A Horizontal Cables\***

Frequency, MHz	Attenuation, dB/100 m 20°C		PS NEXT Loss, dB		NEXT Loss, dB		RL, dB		PS ANEXT, dB		PS ELFEXT, dB		ELFEXT, dB	
	Typical Value	Cat. 7A	Typical Value	Cat. 7A	Typical Value	Cat. 7A	Typical Value	Cat. 7A	Typical Value	Cat. 7A	Typical Value	Cat. 7A	Typical Value	Cat. 7A
	1	2.0	2.0	107.0	105.4	110.0	108.4	22.0	20.0	70.0	67.0	95.0	75.0	98.0
4	3.6	3.8	98.0	96.3	101.0	99.3	25.0	23.0	70.0	67.0	90.0	75.0	93.0	78.0
10	5.7	5.8	95.0	90.4	98.0	93.4	28.0	25.0	70.0	67.0	86.0	71.0	89.0	74.0
20	8.0	8.2	90.0	85.9	93.0	88.9	28.0	25.0	70.0	67.0	80.0	65.0	83.0	68.0
30	9.8	10.1	90.0	83.2	93.0	86.2	27.0	23.8	70.0	67.0	76.0	61.5	79.0	64.5
100	18.0	18.5	80.0	75.4	83.0	78.4	24.0	21.1	70.0	62.5	66.0	51.0	69.0	54.0
150	22.1	22.8	80.0	72.7	83.0	75.7	22.0	18.8	68.0	59.8	63.0	47.5	66.0	50.5
200	25.6	26.5	80.0	70.8	83.0	73.8	21.0	18.0	68.0	58.0	60.0	45.0	63.0	48.0
250	28.7	29.7	77.0	69.4	80.0	72.4	20.0	17.3	65.0	56.5	58.0	43.0	61.0	46.0
300	31.7	32.7	77.0	68.2	80.0	71.2	19.0	17.3	65.0	55.3	52.0	41.5	55.0	44.5
400	36.8	38.0	72.0	66.3	75.0	69.3	19.0	17.3	65.0	53.4	49.0	38.9	52.0	41.9

500	41.4	42.7	72.0	64.9	75.0	67.9	19.0	17.3	65.0	52.0	47.0	37.0	50.0	40.0
600	45.6	47.1	72.0	63.7	75.0	66.7	19.0	17.3	65.0	50.8	45.0	35.4	48.0	38.4
1000	60.0	62.0	72.0	60.4	75.0	63.4	19.0	17.3	65.0	47.5	39.0	31.0	42.0	34.0

\* Supplied cables meet the minimum Cat. 7A transmission requirements as per IEC 61156-5 Ed. 2

Frequency range	1-1000 MHz
Conductor resistance at 20°C (68°F)	80.0 Ohm/km (128.75 Ohm/mile)
DC Resistance Unbalance	2% max
Resistance at frequency 1-600 MHz	100 ± 15 Ohm
Impedance	100 Ohm
Transfer impedance at frequency 1-10 MHz	5 MOhm/m (1.52 MOhm/ft) max
Capacitive unbalance at frequency 1 kHz	1.2 pF/m (0.36 pF/ft) max
Maximum voltage	60 V RMS
Dielectric rigidity	700 V/min
Insulation resistance at 20°C (68°F)	152 MOhm/km (244.62 MOhm/mile) minimum
Propagation velocity	80%
Max propagation delay at frequency 1 MHz	5.3 ns/m (1.61 ns/ft)
Max propagation delay at frequency 10 MHz	5.0 ns/m (1.52 ns/ft)
Max propagation delay at frequency 100-600 MHz	5.0 ns/m (1.52 ns/ft)
Max derivation of propagation delay at frequency 1-600 MHz	20 ns/100 m (6.09 ns/100 ft)
<b>Ordering:</b>	
<b>SSTP4-10GBE-SOLID-INDOOR</b>	Twisted Pair Cable (SSTP), 4 pairs, Category 7a (1000 MHz, 10GBE), Solid



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