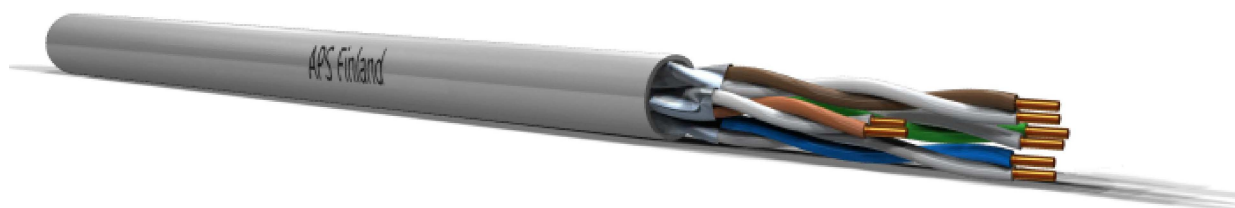


Cat.6A U/FTP 4 pairs LITE AWG24/1 LSZH Indoor (CPR Cca) – PL 80m –

Category 6A, U/FTP Screened, 4 pairs, LITE AWG24/1, SCS6AS, Indoor.

DCC6AFTP4PHLICS30, Rev.00, Date 2026-05-11



Standards of reference and applications

LAN Horizontal Wiring

IEEE 802.3 : Ethernet 10Base-T, Fast Ethernet 100Base-T, Gigabit Ethernet 1000Base-T, 10GBase-T

IEEE 802.5 : ISDN, FDDI, ATM, Cable sharing

IEEE 802.3at Power over Ethernet (PoE), IEEE 802.3at Power over Ethernet Plus (PoE+)

EN 50288-5-1, EN 50288-10-1, EN 50173, EN 50174-2, ISO/IEC 11801 2., IEC 61156-5, TIA/EIA-568-B.2-10,

UL Subject 444

Maximum length for Category 6A / Class EA performance: 80 meters

Installation Features

Store at -0 to +50 °C

Install at -0 to +50 °C

Operate at : -20 to +60 °C

Bend minimum during installation: radius 56 mm

Bend minimum fixed: radius 70 mm

Pull maximum : 40 N

Design

Conductor : solid bare copper AWG24 0.51 mm (+/-0.008 mm)

Insulation : SFS PE 1.18 ± 0.05 mm

Pair : 2 insulated conductors stranded together

Individual screen : aluminium screen around each twisted pair

Drain wire : tinned copper 0.4 mm

Outer jacket : grey LSZH material

Marking : APS – ww/yy – DCC6AFTP4PHLICS30 – U/FTP 4x2x24AWG LITE PL 80M – Category 6A Extended Frequency 500 MHz 100Ohm – ISO/IEC 11801 – CPR Cca – LOT# – meter markin

Colour code

- 1. Blue, White
- 2. Orange, White
- 3. Green, White
- 4. Brown, White

Environmental properties and Fire Performances

CPR Class : Cca-s1a,d0,a1
Declaration of Performance : DCC6AFTP4PHLIC-001
Degree of acidity of gases : IEC 60754-1/2
Halogen acid gas : IEC 60754-1/2 (Halogen acid gas emission ≤ 0.5 %)
Smoke Emission : IEC 61034-2, EN 50268-2 (Transmittance) ≥ 60 %
Toxicity of evolved gas : EN 50305 9.2
Flame retardant : IEC 60332-1-2
RoHS : 2011/95/EU
REACH: compliant

Electrical characteristics (@ 20°C)

Resistance of the conductor: ≤ 9.5 Ω/100m
Insulation resistance: ≥ 5000 MΩ.km
Capacitance unbalance pair/pair: ≤ 300 pF/100m
Average characteristic impedance: 100 ± 5 Ω @ 1.0-100.0MHz
Dielectric strength: DC 1kV1 min., no breakdown
Velocity of propagation (NVP): 74 %

Maximum length for Category 6A / Class EA performance: 80 meters

Frequency (MHz) :	4	8	10	16	20	25	31.25	62.5	100	250	300	400	500
Attenuation (dB/100m)	3.8	5.3	5.9	7.5	8.4	9.4	10.5	15.0	19.1	31.1	34.3	40.1	45.3
NEXT (dB)	65.3	60.8	59.3	56.2	54.8	53.3	51.9	47.4	44.3	38.3	37.1	35.3	33.8
PS-NEXT (dB)	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	36.3	35.1	33.3	31.8
Return Loss (dB)	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	17.3	16.8	15.9	15.2
ACR F (dB/100m)	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	19.8	18.3	15.8	13.8
PS ACR F (dB/100m)	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	16.8	15.3	12.8	10.8

Edit

Ordering and delivery information

Pair count	P/N	O.D [mm]	Weight [kg/km]	Electrical number	GTIN	Retail packaging	Wholesale packaging
4 pairs	DCC6AFTP4PHLICS30	7.0 (±0.5)	45	02 331 31	6430081401085	305 m 43x28x43 cm 15 kg	8.235 m 105x105x112 cm 425 kg

Edit

Extended system warranty

The APS System Warranty assures the compliance of the system performance to the applicable class of cabling for a period of 25 years. The warranty may be applied for by an accredited APS Partner who has designed and/or installed the entire system.
Read more.

Every effort has been put so that this document is most reliable and free from errors. However, FSM Oy cannot be considered responsible for any mistake in this document and users should consult FSM Oy for any information needed. FSM Oy reserves the right to make changes to the documents at any time, without prior notice.