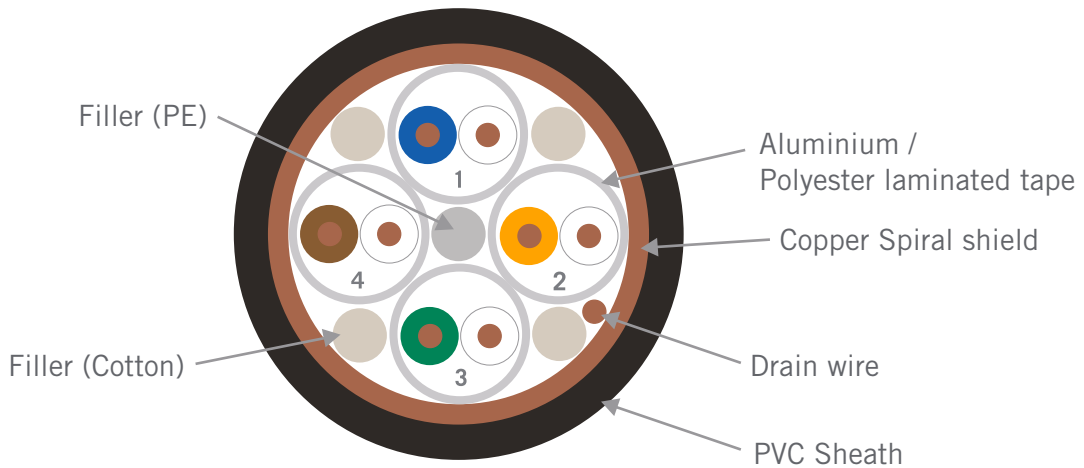


DATENBLATT | data sheet

LTG-CAT6A-4P-OMNET-S-HFR-OKI



QUERSCHNITTZEICHNUNG | cable construction



FARBSHEMA | insulation color

Pair No.	A-wire	B-wire
1	Blue	White
2	Orange	White
3	Green	White
4	Brown	White

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TECHNISCHE DATEN | technical specifications

Leiter conductor	Material	enthärtete Kupferdrahtlitzen annealed copper wire strands
	Größe size	28 AWG
Isolierung insulation	Material	Fluorkohlenstoff-Polymer fluorocarbon polymer
	Farbe color	siehe Farbschema see colour scheme
	Durchmesser diameter	1.0 mm
Verdrilltes Paar twisted pair Schirmung shielding (Tape)	Material	Aluminium-Polyester-Verbundband aluminum-polyester laminated tape
Erdungslitze drain wire	Material	enthärtete Kupferdrahtlitzen annealed copper wire strands
Schirmung shielding (Braid)	Material	Kupferdraht tinsel copper wire
Kabelmantel sheath	Material	PVC
	Farbe color	Schwarz black
	Kompletter Durchmesser overall diameter mm	6.4 mm
	Kennzeichnung labelling	UL Nummer 20276 UL number 20276

VERPACKUNG | packaging

Länge Standard length	200 m
Packing	Das Kabel wird in Bündeln geliefert. The cable is supplied in bundles. Jede Spule wird einer Kartonage verpacken. Each coil will be packed in a cardboard box.
Gewicht weight	50 kg/km

ELEKTRISCHE EIGENSCHAFTEN | electrical characteristics

Elektrisch Anforderungen electrical requirements	Spezifikation specification	
Widerstand: Leiter conductor resistance $\Omega/30$ m	–	≤ 5.9 (at 20 °C)
Widerstand: Isolierung insulation resistance $M\Omega$ km	–	≥ 100
Spannungsfestigkeit dielectric strength V-min	–	AC 500
Einfügedämpfung insertion loss dB/30 m	f = 500 MHz	≤ 45.3 (at 20 °C)
Rückflussdämpfung return loss dB/100 m	f = 500 MHz	≥ 15.2
NEXT dB/100 m	f = 500 MHz	≥ 33.8
PSNEXT dB/100 m	f = 500 MHz	≥ 31.8
Signalverzögerung propagation delay ns/100 m	f = 500 MHz	≤ 536
Laufzeitdifferenz delay skew ns/100 m	$1 \leq f \leq 500$ MHz	≤ 45
Biegezyklen Test movable durability sliding test	Sliding count ≥ 3 million times	
	Sliding radius: 50 mm	