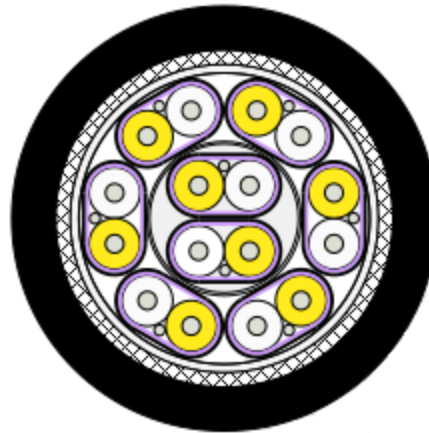


ParaLink[®]-11+

100 | 8 Pairs 30AWG FRNC



Design

Wire:

Silver-plated copper wire (30AWG)
Insulation of LEONIZELL[®] Skin-Foam-Skin

ø 0.25 mm (0,010 in dia)
ø 0.75 mm (0.030 in dia)

Parallel pair:

2 wires, WH and YE parallel
Tinned copper drain wire ø 0.2 mm (32AWG)
Alulaminat foil overlapped, Alu inside
Bonded plastic tape, overlapped

Line identification: Printed numbers 1 - 8

Core:

1. layer: 2 Parallel pairs
Sequence of number: 7 and 8
Plastic tape, overlapped
2. layer: 6 Parallel pairs
Sequence of number: 1 6
Plastic tape, overlapped
Alulaminat foil overlapped, applied longitudinally
Shield braiding of tinned copper wires
Coverage about 85%

ø 4.7 mm (0.185 in dia)

Part Number: C5555-xMC

LEONI Special Cables GmbH

Jacket:

Thermoplastic copolymer (FRNC) BK

∅ (6.4 ±0.2) mm (0.252 ±0.008 in dia)

Printing: LEONI High Speed Cables ParaLink® 100 | 8pairs 30AWG (shielded) (UL) E116441 CL2 75 °C
"sequential length in metres"

Electrical data at 20°C

Conductor resistance	"	420	Ohm/km
Insulation resistance	≥	1000	MOhm*km
Characteristic impedance		(100 ±5)	Ohm
Time delay skew (Conductor to Conductor in the same pair)	"	200	ps/10m
Time delay skew (Pair to Pair)	"	400	ps/10m
Operating voltage (peak)	"	100	V
Test voltage (wire/wire/screen rms 50Hz 1min)		500	V

Frequency (MHz)	1250	2500	5000	7500	10000
Attenuation (dB/10m) ± 10 %	15	21,5	31	40,5	48,5
Attenuation (dB/10m) max.	16,5	23,65	34,1	44,55	53,35

Values are based on 10m (32.81 ft) DUT and may not be scaled linear to shorter cable lengths

Attenuation variation (fitted curve) ± 5%

Mechanical and thermal characteristics

Flame retardant acc. to IEC 60332-3-24 (Cat. C)

Flame retardant acc. to IEC 60332-1-2

UL-File E116441 Vol.1, Sec.12; Power Limited Circuit Cable CL2

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Low Smoke, Fire retardant, Zero Halogen

Corrosivity of fumes acc. to IEC 60754-2

Smoke-density acc. to IEC 61034

Permissible temperature range

Transport, installation and operating: -40 °C (-40 °F) up to 80 °C (176 °F)

Min. bending radius allowed: repeated 10X ∅ , single 5X ∅

Weight about : 55 kg/km (37 lb/1000ft)