



# COREL® L 120 multi-pair cables

Transmits voice, data and images at high speed

## Key Features

- Transmission quality guaranteed up to 100 MHz
- Halogen-free sheath
- EIA/TIA 568 category 5 compatibility
- For professional networks
- 100 m reels

## Overview

Conforming to France Telecom specification L 120, COREL® L 120 multi-pair cables are perfect for professional information networks.

They have optimum characteristics to guarantee high speed transmission over long distances with minimum disruption. The halogen-free sheathing provides an additional guarantee in case of fire.

The pairs are assembled in quads and packaged on 100 m reels.

## Characteristics:

Number of pairs	4 pairs	2x4 pairs	3x4 pairs	32 pairs	64 pairs	128 pairs
Conductor diameter	0.6 mm	0.6 mm	0.6 mm	0.6 mm	0.6 mm	0.6 mm
Insulation	Double layer cellular polyethylene in accordance with standard NFC 32 060					
Diameter of insulation	1.3 mm	1.3 mm	1.3 mm	1.15 mm	1.15 mm	1.15 mm
Assembly	2 quads	2x2 quads	3x2 quads	4x4 quads	8x4 quads	4(4x4) quads
Casing	Aluminium/polyester ribbon + tinned copper continuity wire 0.5 mm					
Sheath	LSOH	LSOH	LSOH	LSOH	LSOH	LSOH
Sheath colour	Ivory	Ivory	Ivory	Ivory	Ivory	Ivory
Nominal diameter of cable	8.3 x 5.2 mm	10.6. x 8.1	14.5	16.5	21.5	31
Linear resistance at 20°C	66.6 Ω/km	66.6 Ω/km	66.6 Ω/km	66.6 Ω/km	66.6 Ω/km	66.6 Ω/km
Dielectric rigidity in cc	1.5 kV	1.5 kV	1.5 kV	1.5 kV	1.5 kV	1.5 kV
Insulation resistance	5000 MΩkm	5000 MΩkm	5000 MΩkm	5000 MΩkm	5000 MΩkm	5000 MΩkm
Mutual capacity	300 pF/300 m	300 pF/300 m	300 pF/300 m	300 pF/300 m	300 pF/300 m	300 pF/300 m
Transfer impedance at 30 MHz	35 mΩ/m	35 mΩ/m	35 mΩ/m	-	-	-
Speed of propagation	78%	78%	78%	78%	78%	78%
Charact. impedance 1-100 MHz	120 Ω	120 Ω	120 Ω	120 Ω	120 Ω	120 Ω

Linear attenuation						
1 MHz	<18 dB/km	<18 dB/km	<18 dB/km	<18 dB/km	<18 dB/km	<18 dB/km
10 MHz	<52 dB/km	<52 dB/km	<52 dB/km	<52 dB/km	<52 dB/km	<52 dB/km
Frequency						
16 MHz	<62 dB/km	<62 dB/km	<62 dB/km	<62 dB/km	<62 dB/km	<62 dB/km
20 MHz	<70 dB/km	<70 dB/km	<70 dB/km	<70 dB/km	<70 dB/km	<70 dB/km
100 MHz	<170 dB/km	<170 dB/km	<170 dB/km	<170 dB/km	<170 dB/km	<170 dB/km
Near-end cross-talk betw. pairs				Adjacent bundles		Other couplings
1 MHz	<62 dB	<62 dB	<62 dB	<56 dB		<30 dB
10 MHz	<47 dB	<47 dB	<47 dB	<41 dB		<30 dB
Frequency						
16 MHz	<44 dB	<44 dB	<44 dB	<38 dB		<30 dB
20 MHz	<42 dB	<42 dB	<42 dB	<36 dB		<30 dB
100 MHz	<32 dB	<32 dB	<32 dB	<32 dB		<30 dB
Linear mass	<58 kg/km	<121 kg/km	<232 kg/km	<320 kg/km	<566 kg/km	<1,100 kg/km
<b>Product code</b>	<b>EYF</b>	<b>EYF</b>	<b>EYF</b>	<b>EYF</b>	<b>EYF</b>	<b>EYF</b>
	<b>1201A-100</b>	<b>1202A-100</b>	<b>1203A-100</b>	<b>1208A-100</b>	<b>1216A-100</b>	<b>1232A-100</b>