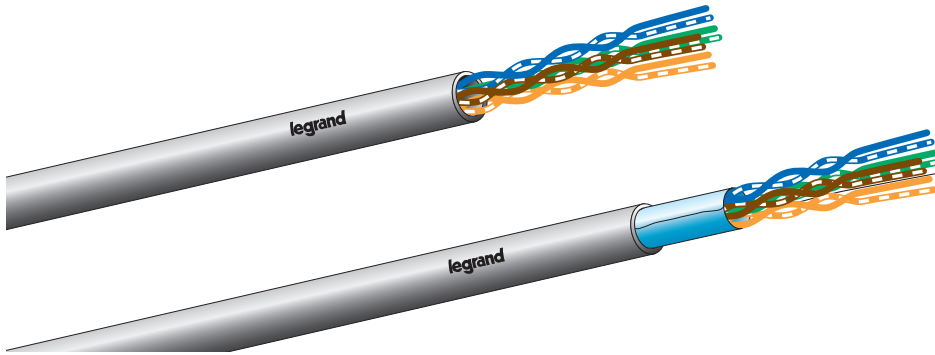


Category 5e cables for LCS⁵

Cat. No(s) : 327 50/51/52/53/73/74



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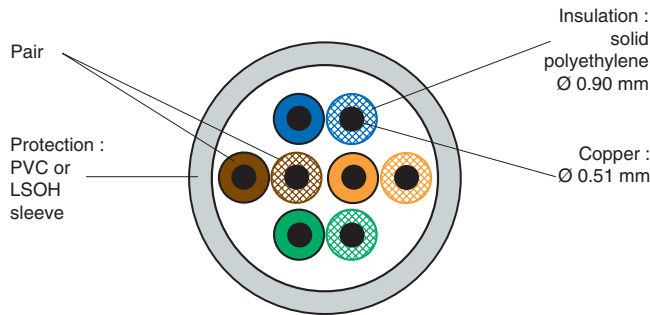
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1. USE AND MOUNTING

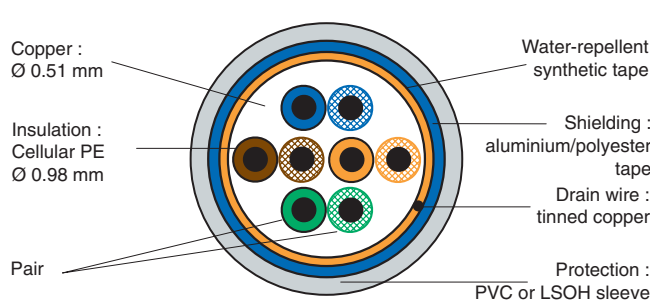
Cable designed for high-speed VDI transmission networks.

2. DESCRIPTION

UTP 100 Ω



FTP 100 Ω



Note :
The conductive part of the shielding is on the wire side.

3. TECHNICAL AND MECHANICAL CHARACTERISTICS

Cat. No	327 50	327 51	327 52	327 53	327 73	327 74
Type	UTP	UTP	FTP	FTP	UTP	FTP
Type of sleeve	LSOH	PVC	LSOH	PVC	PVC	LSOH
Number of pairs	4	4	4	4	2 x 4	2 x 4
Assembly	Pairs	Pairs	Pairs	Pairs	Pairs	Pairs
Diameter of conductor in mm	0.53 (24 AWG)	0.53 (24 AWG)	0.53 (24 AWG)	0.53 (24 AWG)	0.53 (24 AWG)	0.51 (24 AWG)
Diameter on insulation in mm	0.97	0.97	1.0	1.0	0.97	1.0
Diameter of cable in mm	5.8	5.2	5.2	5.2	2 x 5.0 +/- 0.5	2 x 5.2 +/- 0.5
Weight of cable in Kg/Km	40	40	40	40	80	80
Min. bending radius on installation	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm
Maximum installation voltage	80 N	80 N	80 N	80 N	80 N	80 N
AWG gauge	24	24	24	24	24	24

4. ENVIRONMENTAL CHARACTERISTICS

Transport and storage temperatures : - 20 to + 30°C
Operating temperatures : - 15 to + 70°C
Fire resistance : IEC 332-1, UL VW-1

5. ELECTRICAL CHARACTERISTICS AT 20°C

Cat. No	327 50	327 51	327 52	327 53	327 73	327 74
Type	UTP	UTP	FTP	FTP	UTP	FTP
Résistance linéique maximum Ohm/km	88	88	88	88	88	88
Rigidité diélectrique en courant continu	1 KV/ 1 min	1 KV/ 1 min	1 KV/ 1 min	1 KV/ 1 min	1 KV/ 1 min	1 KV/ 1 min
Résistance d'isolement minimum Mohm.km	150	150	150	150	150	150
Déséquilibre de capacité Réel-Terre maximum	1600 pf/ km	1600 pf/ km	1600 pf/ km	1600 pf/ km	1600 pf/ km	1600 pf/ km
Impédance de transfert (Zt) de 1 à 10 Mhz	—	—	100 mΩ/m	100 mΩ/m	—	100 mΩ/m
Vitesse de propagation minimum	67 %	67 %	72 %	72 %	67 %	72 %
Impédance caractéristique de 1 à 100 Mhz	100 Ω	100 Ω	100 Ω	100 Ω	100 Ω	100 Ω

6. PERFORMANCE at 100 MHz

Maximum loss (dB/100 m) :	22
Minimum NEXT (dB) :	35,5
Minimum ACR (dB) :	13,5
PS NEXT (dB) :	32,5
ELFEXT (dB/100 m) :	24
PS ELFEXT (dB/100 m) :	20,75
Return Loss (dB) :	20,1

7. MARKING OF LEGRAND CABLES

Legrand, Cat.No, Number of pairs, Gauge, Type, Impedance, Type of sleeve, Category, Conformity to standards, Batch no, Measurement (length remaining).

8. INFORMATIONS POUR COMMANDE

Cat. No.	327 50	327 51	327 52	327 53	327 73	327 74
Type	UTP	UTP	FTP	FTP	UTP	FTP
Colour	White	White	White	White	White	White
Pack (m)	305	305	500	500	500	500
Packaging	Box	Box	Box	Box	Drum	Drum
Dimensions (mm)	360 x 360 x 235	360 x 360 x 235	375 x 380 x 265	375 x 380 x 265	600 x 320	600 x 320
Weight (Kg)	10	10,141	13,818	13,60	35,90	44,20

9. STANDARDS AND APPROVALS

Conforming to the following standards :
Cat 5e, 250 MHz
ISO 11 801, EN 50 173, EIA / TIA - 568 A, IEC 332-1

10. GLOSSARY

PE : polyester
LSOH : Low Smoke Zero Halogene
UTP : Unshielded Twisted Pair
FTP : Foiled Twister Pair
SFTP : Shielded Foiled Twister Pair
NEXT : Near-End Crosstalk
PSNEXT : Power Sum Next
ACR : Attenuation to Crosstalk Ratio
ELFEXT : Equal Level Far-End Crosstalk
AWG : American Wire Gauge