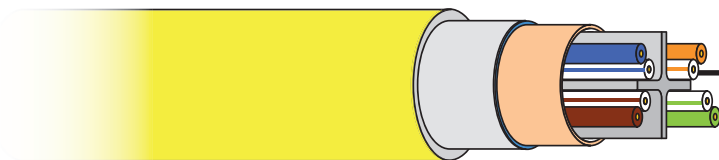


Cat. 6A F/UTP cable for local area networks 4 pairs and 2 x 4 pairs

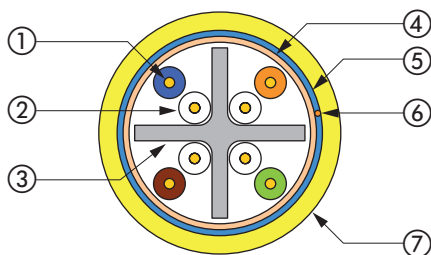
Catalogue number: 327 78/328 78



1. USE

Cat. 6A cables with 4 pairs and 2 x 4 twisted pairs, 100 ohms very high speed, for horizontal floor or backbone distribution. These cables enable the use of protocols supported by Class EA for 10G Base-T applications. They are characterised up to 500 MHz.

2. DESCRIPTION



- | | |
|------------------------|--|
| 1. Conductor: | Bare solid copper, 23 AWG |
| 2. Type of insulation: | PE with low dielectric loss |
| 3. Separator: | Specially designed to optimise NEXT performance |
| 4. Tape: | Synthetic and water-repellent; ensures stability of the structure and performance after laying |
| 5. Screen: | Aluminium/polyester; ensures optimum ANEXT performance |
| 6. Continuity: | Tinned copper wire; for earthing on 9-pin connector |
| 7. Type of sleeve: | Low smoke zero halogen flame retardant material |

Note:
The conductive part of the shielding is inside (wire side).

3. MARKING OF LEGRAND CABLES

- Legrand
- Catalogue number
- Number of pairs
- Gauge
- Type
- Impedance
- Type of sleeve
- Category
- Conformity to standards
- VPN/NVP
- Batch number
- Measurement (remaining length)

4. PERFORMANCE AT 500 MHZ (standard EIA/TIA 568-C.2)

Maximum attenuation (dB/100 m):	45.3
Minimum NEXT (dB):	33.8
PS NEXT (dB):	31.8
ACRF (dB/100 m):	13.8
PS ACRF (dB/100 m):	10.8
Return Loss (dB):	15.2

Cat. 6A F/UTP cable for local area networks 4 pairs and 2 x 4 pairs

Catalogue number: 327 78/328 78

5. TECHNICAL AND MECHANICAL FEATURES

Catalogue Number	032778	032878
Type	F/UTP	F/UTP
Type of sleeve	LSOH	LSOH
Number of pairs	4	2 x 4
Assembly	Pairs	Pairs
Diameter over insulation (mm)	1.16 ± 0.05	1.16 ± 0.05
Cable diameter (mm)	7.3 ± 0.3	
Weight of cable (kg/km)	51	57
Min. bending radius when laying (mm)	60	60
AWG gauge	23	23

6. ELECTRICAL FEATURES AT 20°C

Catalogue number	327 78	328 78
Type	U/UTP	F/UTP
Maximum linear resistance of the cable (ohm/km)	95 *	95 *
DC dielectric strength	1 kV/ 1 min *	1 kV/ 1 min *
Minimum insulation resistance (Mohm.km)	5000	5000
Minimum propagation speed (marked on cable)	> 66%	> 66%
Characteristic impedance from 1 to 100 MHz	100 Ω ± 15%	100 Ω ± 15%

* According to standard IEC 61156-5

7. ORDERING INFORMATION

Catalogue number	327 78/328 78
Type	F/UTP
Colour	Yellow RAL 1018
Pack (m)	500
Packaging	Reel

8. ENVIRONMENTAL FEATURES

Storage and transport temperature: 0 to + 50°C
Usage temperature: – 20 to + 60°C
Fire resistance: IEC 60332-1, UL VW-1

9. STANDARDS AND APPROVALS

Cat. 6A, 500 MHz
EIA/TIA 568-C.2
EN 50173
EN 50288-2.1
IEC 11801
IEC 61156-5