Pre-terminated system with 1 × 24 pair cable

Characteristics
- Compact cable, 24 pair, S/FTP, Category 7 compliant
- Pre-terminated MJM, Category 6_A compliant
- Overall link; Class EA (Category 6_A) compliant
- Suitable for PoE/PoE+ applications
- Low flame-spread LSZH jacket material
- Compliant to
  - ISO/IEC 11801 2nd ed.
  - EN 50173-5
  - EN 50288-4-2

Single-jacket cables provide an entirely "snag-free" installation process typically difficult to achieve when using bundled cable alternatives.

The system uses a single 24 pair cable, with each pair individually foil-wrapped, surrounded by an overall braid. A multi-jack module is fitted at both ends of the assembly and each cable assembly is coded with a unique identification number for administrative purposes. Each module port is identified 1 to 6 for simple installation at the panel and is purpose-built to the user's specific requirements.
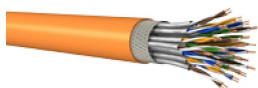
Technical data cable

Mechanical data		
Bending radius	during installation	200 mm
	installed	100 mm
Cable diameter		18.0 mm
Weight		0.270 kg/m
Maximum pulling force		900 N
Colour		orange RAL 2003
Temperature range	during installation	10 to + 40 °C
	installed	−20 to +40 °C

Construction	
Conductor	Bare copper wire, diameter 0.56 mm (AWG23/1)
Insulation	Foam-skin PP, diameter 1.4 mm
Construction	6 (5+1) bundles with 4 foiled pairs bu, oe, gn, bn; bundled with coloured tape
Screen	tinned copper braid, 85 % coverage
Sheath material	LSFH-FR
Fire performance	LSFH-FR according to IEC 60332-1, IEC 60332-3-24
	smoke emissions according to IEC 61034, acidity according to IEC 60754-2

Technical data multi-jack module connector

Mechanical data	
Insertion/extraction life	750 cycles minimum
Weight	0.306 kg

Construction	
Dimensions (W × H × D)	92.9 5 × 18 × 90 mm
Colour	silver (die cast aluminium)

Ordering information

Customer-specific pre-terminated copper products are available on request. For more details on customer-specific solutions, contact your local sales representative or choose from our configurable options in the order code below.

CT	07S	–	C1	S	L	–	23A	–	[1]	A00	M6A	–	A00	M6A

1	Length	
n	n	n	Cable length in m (min. 15 m, max. 90 m)

CT = cable trunk
07S = category 7
C1 = compact 1 cable with 24 pairs
S   = solid conductor (this is the only option for C6)
L   = low smoke, zero halogen
23A = conductor size, 23 AWG
A00 = no fan-out side A and B
M6A = Multi-jack, Category 6_A

Pre-terminated system with 6 × 4 pair cables

Characteristics
- 6 × 4 pair cable, U/FTP, category 6_A compliant
- Connectors:
  - Pre-terminated MJM, category 6_A compliant
  - Pre-terminated modular jack, category 6_A compliant
  - Pre-terminated modular plug, category 6_A compliant
- Overall link, class EA (category 6_A) compliant
- Suitable for PoE/PoE+ applications
- Low flame-spread LSFH-FR jacket material
- Compliant to
  - ISO/IEC 11801 2nd ed.
  - EN 50173-5
  - EN 50288-4-2

This cable system uses 6 × individual 4 pair cables, bundled together to form a single assembly. The bundled construction ensures snag-free handling and is terminated within 0.5 m of the connectors to ensure they can be dressed into the patch panel correctly. A choice of individual modular jacks, a multi-jack module or individual modular plugs can be fitted at either end of the assembly as per the ordering code.

The furcation of the cables at each end of the assembly are factory made to limit cable crossing and ensure that each leg is correctly allocated to the appropriate panel port (1 to 6).

Technical data cable

Mechanical data		
Bending radius	during installation	8 × outer diameter
	installed	4 × outer diameter
Cable diameter		7.3 mm
Weight		6 × 54.2 kg/km
Maximum pulling force		100 N
Colour		blue RAL 5012
Temperature range	during installation	0 to +50 °C
	installed	−20 to +60 °C

Construction	
Conductor	bare copper wire, diameter 0.56 mm (AWG23/1)
Insulation	foam-skin PP, diameter 1.4 mm
Construction	6 cables with 4 pairs
Screen	according to the used cable from category 6_A, category 7 to category 7_A
Sheath material	LSFH-FR
Fire performance	LSFH-FR according to IEC 60332-1, IEC 60332-3-24
	smoke emissions and opacity according to IEC 60754-2, IEC 61034

Technical data connector

Mechanical data

Insertion/extraction life	750 cycles minimum
Weight	0.286 kg

Construction

Dimensions (W × H × D)	92.9 5 × 18 × 90 mm
Colour	silver

Ordering information

Customer-specific pre-terminated copper products are available on request. For more details on customer-specific solutions, contact your local sales representative or choose from our configurable options in the order code below.

C T	[1]	–	[2]	[3]	L	–	2 3 A	–	[4]	A E 5	[5]	–	A E 5	[6]

1			Cable category
0	6	U	Category 6
6	A	F	Category 6_A
0	7	S	Category 7
7	A	S	Category 7_A

2		Cable system
C	1	System with 1 × 24 pair cables
C	6	System with 6 × 4 pair cables

3		Conductor type
S		Solid conductor (this is the only option for C6)
F		Stranded conductor (filaments)

4			Length
n	n	n	Cable length in m (min. 15 m, max. 90 m)

5			Connector type
0	0	0	No connector
M	6	A	Multi-jack, Category 6_A [1]
J	6	A	Jack, Category 6_A [2]
C	6	A	Plug, Category 6_A

6			Connector type
0	0	0	No connector
M	6	A	Multi-jack, Category 6_A [1]
J	6	A	Jack, Category 6_A [2]
C	6	A	Plug, Category 6_A

CT = cable trunk
L = low smoke, zero halogen
23A = conductor size, 23 AWG
AE5 = standard fan-out, equalled length (0.5 m) left and right

[1] only available for C6 cable system – 6 × 4 pair cables
[2] only available for C1 cable system – 1 × 24 pair cable

Panels for pre-terminated systems

1 U panel for 4 copper cassettes

Features
- Capacity for 4 copper cassettes, 24 connections
- 1U of rack space
- Tool-less assembly and module fitting
- Ideal for pre-terminated installations
- Supplied unloaded with earthing kit

Ordering information

Description	Item no.
Patch panel 1U with 4 banks (24 connections), suitable for multi-jack copper cassette, incl. earthing kit, silver	85066059

For cassettes, see page 18

1 U high density panel for 8 copper cassettes

Features
- Capacity for 8 copper cassettes, 48 connections
- 1U of rack space
- Tool-less assembly and module fitting
- Ideal pre-terminated installations
- Supplied unloaded with earthing kit

Ordering information

Description	Item no.
Patch panel 1U with 8 banks (48 connections), suitable for multi-jack copper cassette, incl. earthing kit, silver	85066060

For cassettes, see page 18

Features
- Air blocking function
- Snap-in mechanism
- Cassette reservation

Ordering information

Description	Item no.
1/2 U blind plate for high density panel	85070952