

Product Information – RJ45 Patch Cord Cat.6 Ultraflex500 VoIP AWG 26



Tired of bulky patch cables with preferred directions? Right, left, top, bottom are a thing of the past. The new Ultraflex500 patch cord has an extremely short moulded nozzle which allows you to achieve a bent cord of just over 30 mm length including the plug. This highly flexible plug is robust and gives you more freedom in small areas such as VoIP terminals, cameras, W-LAN hotspots and other tight installation situations.

Advantages over standard patch cords

- > the optimum solution when there is a lack of space
- > possible bending radius of up to 10mm
- > moulded anti-kink sleeve
- > significantly longer service life than standard patch cords
- > up to 8500 trouble-free motion cycles under load
- > especially suitable for VoIP terminals, cameras, W-LAN hotspots

Applications

- > offices
- > media technology
- > cabling in data centres
- > especially suitable for IoT and IIoT

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No space - the solution!

Ultraflex500 patch cords - with excellent transmission values in Class EA total channel.

- > the optimum solution when there is a lack of space
- > moulded anti-kink sleeve
- > especially suitable for VoIP terminals, cameras, WLAN hotspots
- > significantly longer service life than standard patch cords
- > up to 8500 trouble-free motion cycles under load
- > especially suitable for shielded and unshielded Class E_A systems
- > fully shielded Cat.6 patch cords AWG 26/7
- > two shielded RJ45 connectors, 1:1 assignment
- > cable type: S/FTP 4 x 2 x AWG 26/7 PIMF
- > cable sheath: LSHF(LSOH), halogen-free
- > Class E_A link up to 500MHz according to ISO/IEC 11801-1, DIN EN 50173-1
- > suitable for 10Gbit Ethernet (IEEE 802.3an),
- > suitable for Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- > possible bending radius of up to 10mm
- > available in black and white
- > 100% testing in production for crimp heights and compliance with HF performance

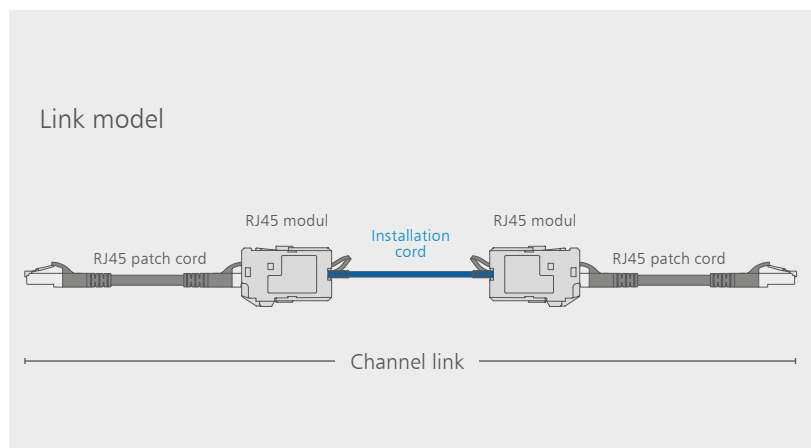
TECHNICAL DATA

GENERAL DATA

| | |
|-------------------------|---|
| Applications | offices, media technology, data centres |
| Type | patch cord |
| Shielding | shielded |
| Transmission technology | copper |
| Cable type | S/FTP |

TRANSMISSION CHARACTERISTICS

| | |
|-----------------------------------|--------------------------------------|
| Category (ISO) | 6 |
| Class (ISO/IEC) - Channel | E _A (see fig. Link model) |
| Category (TIA) | 6 |
| Remote Powering | yes |
| PoE | IEEE 802.3af |
| PoE plus | IEEE 802.3at |
| UPoE | yes |
| Transmission speed up to 10 GBit | IEEE 802.3an |
| Connection technology interface 1 | RJ45 plug |
| Connection technology interface 2 | RJ45 plug |
| Number of ports interface 1 | 1 |
| Number of ports interface 2 | 1 |



TECHNICAL DATA

CONNECTIONS/INTERFACES

| | |
|--|---------------|
| Termination data, stranded wire | (min. - max.) |
| Conductor cross-section, stranded wire (bare copper) | AWG 26/7 |

MECHANICAL CHARACTERISTICS

| | |
|-----------------------------|-----------|
| Bending radius without load | 10 mm |
| Bending radius without load | 0,394 in. |

MATERIALS AND MATERIAL PROPERTIES

| | |
|-------------------------|-------------|
| Material - Cable sheath | LSHF (LSOH) |
|-------------------------|-------------|

MATERIALS AND MATERIAL PROPERTIES

| | |
|----------------|-----|
| Halogen - free | yes |
|----------------|-----|

ENVIRONMENTAL CONDITIONS

Temperature (min. - max.)

| | |
|-------------------------------|--------------|
| Temperature - Storage °C | -40 - 70 °C |
| Temperature - Storage °F | -40 - 158 °F |
| Temperature - Operating °C | -40 - 70 °C |
| Temperature - Operating °F | -40 - 158 °F |
| Temperature - Installation °C | 0 - 50 °C |
| Temperature - Installation °F | 32 - 122 °F |

TRANSMISSION CHARACTERISTICS

| | |
|------|-----------|
| RoHs | compliant |
|------|-----------|

MATERIALS AND MATERIAL PROPERTIES

Universal building cabling

| | |
|----------------------|---|
| General Requirements | ISO/IEC 11801-1 DIN EN 50173-1 ANSI/TIA 568.2-D |
|----------------------|---|

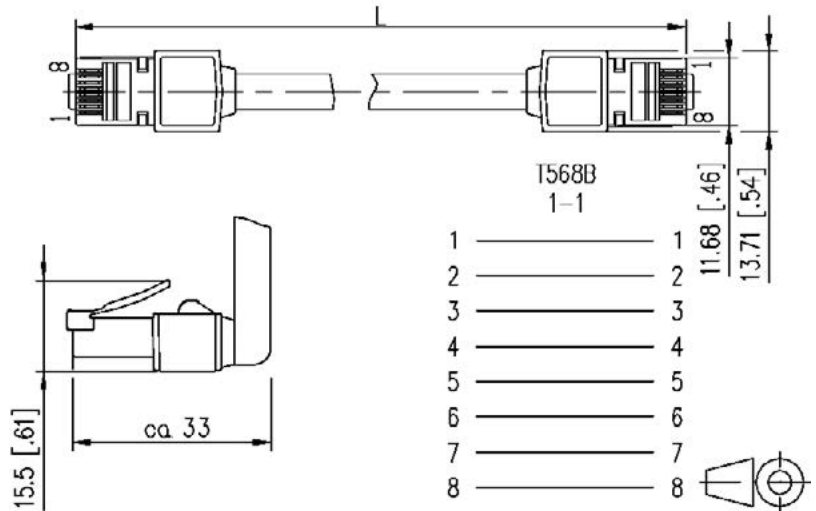
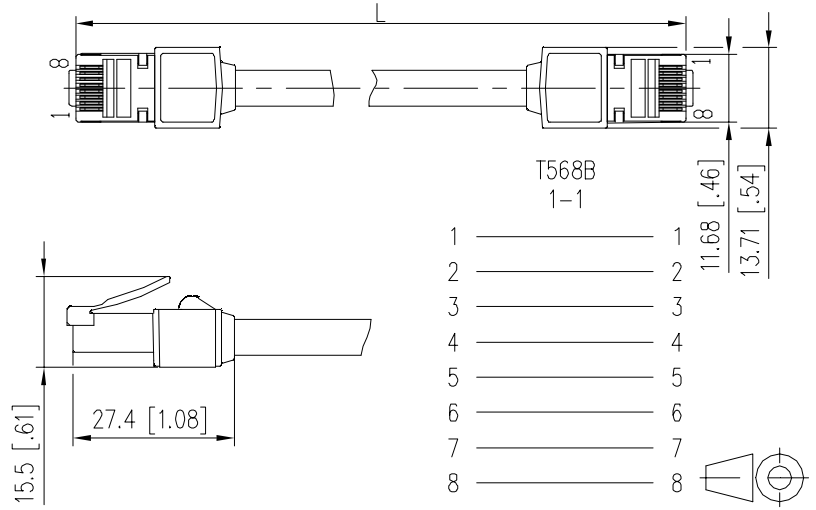
Specification for testing symmetric and coaxial information technology cabling

| | |
|--|-------------|
| Cords in accordance with ISO/IEC 11801 and corresponding standards | IEC 61935-2 |
|--|-------------|

TECHNICAL DATA

FIGURES

Dimensional drawing





| P/N | LENGTH/M | CORD COLOR/SLEEVE COLOR | EAN |
|--------------|----------|-------------------------|---------------|
| 13084V0500-E | 0.5 | black/black | 4251394617206 |
| 13084V1000-E | 1 | black/black | 4251394617213 |
| 13084V1500-E | 1.5 | black/black | 4251394617220 |
| 13084V2000-E | 2 | black/black | 4251394617237 |
| 13084V3000-E | 3 | black/black | 4251394617244 |
| 13084V5000-E | 5 | black/black | 4251394617251 |
| 13084V7500-E | 7.5 | black/black | 4251394617268 |
| 13084VA000-E | 10 | black/black | 4251394617275 |
| 13084VA500-E | 15 | black/black | 4251394617282 |
| 13084VB000-E | 20 | black/black | 4251394617299 |

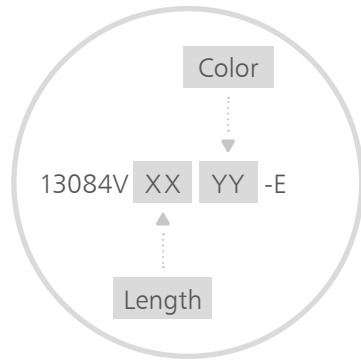


| P/N | LENGTH/M | CORD COLOR/SLEEVE COLOR | EAN |
|--------------|----------|-------------------------|---------------|
| 13084V0388-E | 0.3 | white/white | 4251394614038 |
| 13084V0588-E | 0.5 | white/white | 4251122199776 |
| 13084V1088-E | 1 | white/white | 4251122199783 |
| 13084V1588-E | 1.5 | white/white | 4251394610658 |
| 13084V2088-E | 2 | white/white | 4251122199790 |
| 13084V3088-E | 3 | white/white | 4251122199806 |
| 13084V5088-E | 5 | white/white | 4251122199813 |
| 13084V7588-E | 7.5 | white/white | 4251394610665 |
| 13084VA088-E | 10 | white/white | 4251122199820 |
| 13084VA588-E | 15 | white/white | 4251122199837 |
| 13084VB088-E | 20 | white/white | 4251394610672 |



| P/N | LENGTH/M | CORD COLOR/SLEEVE COLOR | EAN |
|--------------|----------|-------------------------|---------------|
| 13084V0333-E | 0.3 | gray/gray | 4251394634579 |
| 13084V0533-E | 0.5 | gray/gray | 4251394634586 |
| 13084V1033-E | 1 | gray/gray | 4251394634593 |
| 13084V1533-E | 1.5 | gray/gray | 4251394634609 |
| 13084V2033-E | 2 | gray/gray | 4251394634616 |
| 13084V3033-E | 3 | gray/gray | 4251394634623 |
| 13084V5033-E | 5 | gray/gray | 4251394634630 |
| 13084V7533-E | 7.5 | gray/gray | 4251394634647 |
| 13084VA033-E | 10 | gray/gray | 4251394634654 |

NUMBER KEY FOR FURTHER LENGTHS AND COLORS



XX = Length

03 = 0.3 m

05 = 0.5 m

10 = 1.0 m

15 = 1.5 m

20 = 2.0 m

30 = 3.0 m

50 = 5.0 m

75 = 7.5 m

A0 = 10.0 m

B0 = 20.0 m

YY = Color

00 = black

33 = gray

88 = white