

Cat6a S/FTP LSZH Patch Cords

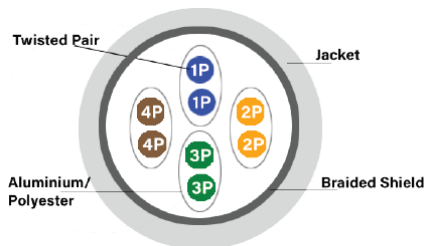
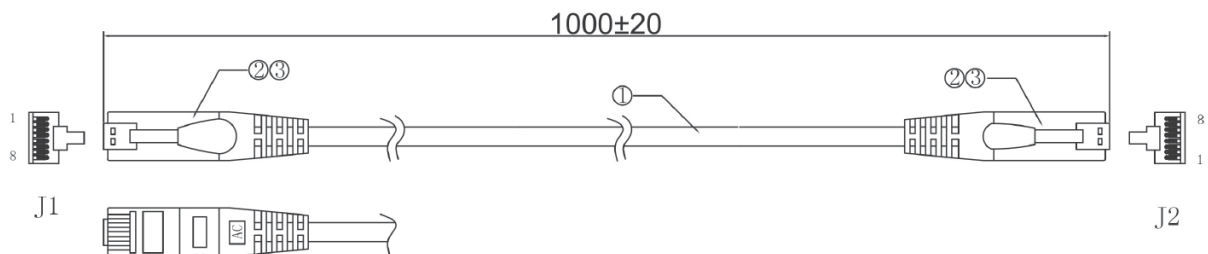
W2800 Series



FEATURES

- Cat6A S/FTP patch cables are standard for Gigabit and 10-Gigabit network connections.
- Made from 100% Oxygen-Free Copper.
- 4 twisted pairs (multi-stranded) T568B colour code.
- Shielded modular plugs
- RJ45-RJ45 connectors with snagless latch protectors.
- Injection-moulded ensure the highest quality and outstanding strain relief.
- Supplied in Datamaster® poly hang-cell bags.
- Custom-made cables - lengths, colours and printing are also available.

DESIGN & CONSTRUCTION



| DESCRIPTION | COLOUR | SPECIFICATION | MATERIALS |
|-------------|--|--|------------------------|
| Conductor | Tinned Copper | 4.5mm (± 0.2mm) Diameter 30 AWG x 4 Pair | Stranded Tinned Copper |
| Insulation | Orange/White Blue/White Green/White Brown/White | 0.19mm Thickness 0.68mm (± 0.05mm) Diameter | Foam PE |
| Shield | Silver | | Aluminum/Polyester |
| Jacket | Various | | LSZH |

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| FREQUENCY (MHZ) | ATTENUATION (+/-15%dB) | RETURN LOSS (9dB) | NEXT WORST PAIR (dB) | IMPEDANCE (Ohm) |
|-----------------|---------------------------|----------------------|-------------------------|--------------------|
| 1.00 | 2.4 | 20.0 | 74.3 | 100±15 |
| 4.00 | 4.5 | 23.0 | 65.3 | |
| 8.00 | 6.4 | 24.5 | 60.8 | |
| 10.00 | 7.1 | 25.0 | 59.3 | |
| 16.00 | 9.1 | 25.0 | 56.2 | |
| 20.00 | 10.2 | 25.0 | 54.8 | |
| 25.00 | 11.4 | 24.2 | 53.3 | |
| 31.25 | 12.8 | 23.3 | 51.9 | |
| 62.50 | 18.5 | 20.7 | 47.4 | |
| 100.00 | 23.8 | 19.0 | 44.3 | |
| 200.00 | 34.8 | 16.4 | 39.8 | |
| 250.00 | 39.4 | 15.6 | 38.3 | |
| 300.00 | 51.5 | 14.9 | 37.1 | |
| 400.00 | 60.2 | 13.8 | 35.3 | |
| 500.00 | 68 | 13 | 33.8 | |

| PINOUT | | |
|--------|----|--------------|
| J1 | J2 | COLOUR |
| 1 | 1 | Green/White |
| 2 | 2 | Green |
| 3 | 3 | Orange/White |
| 4 | 4 | Blue |
| 5 | 5 | Blue/White |
| 6 | 6 | Orange |
| 7 | 7 | Brown/White |
| 8 | 8 | Brown |

| ELECTRICAL PROPERTIES | |
|-------------------------|--|
| Insulation Resistance | Min 100 (Ω/M) at 20°C |
| Conductor Resistance | Max 142 (Ω/Km)at 20°C |
| Temperature rating (°C) | 75 |
| Voltage rating (V) | 300 |
| Suitability | POE Application ie. Wifi Access Point, IP Phones, CCTV Camera, etc |

| NOMINAL LENGTH | TOLERANCE |
|----------------|-----------|
| 250mm | ± 10mm |
| 500mm | ± 15mm |
| 1.0 Metre | ± 20mm |
| 1.5 Metre | ± 20mm |
| 2.0 Metre | ± 30mm |
| 2.5 Metre | ± 30mm |
| 3.0 Metre | ± 40mm |
| 4.0 Metre | ± 40mm |
| 5.0 Metre | ± 50mm |
| 10 Metre | ± 100mm |
| 15 Metre | ± 120mm |
| 20 Metre | ± 150mm |
| 30 Metre | ± 200mm |
| 50 Metre | ± 250mm |

| REGULATORY COMPLIANCE | |
|-----------------------|---|
| | 4073 DATAMASTER Cat-6A S/FTP LSOH STRANDED Y8000 SERIES |

| ITEM | DESCRIPTION | SPECIFICATION |
|------|-------------|---|
| 1 | Cable | ANSI/TIA-568-C.2 26AWG |
| 2 | Jacket | LSZH |
| 3 | Connectors | 8P8C 50µ" Gold Plated Pins, Shielded, Smoky Grey. |

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| CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH |
|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| W2841ASH | 300mm | W2841BLK | 300mm | W2841BLU | 300mm | W2841GRN | 300mm | W2841ORA | 300mm |
| W2850ASH | 500mm | W2850BLK | 500mm | W2850BLU | 500mm | W2850GRN | 500mm | W2850ORA | 500mm |
| W2851ASH | 1.0 Metre | W2851BLK | 1.0 Metre | W2851BLU | 1.0 Metre | W2851GRN | 1.0 Metre | W2851ORA | 1.0 Metre |
| W2848ASH | 1.5 Metre | W2848BLK | 1.5 Metre | W2848BLU | 1.5 Metre | W2848GRN | 1.5 Metre | W2848ORA | 1.5 Metre |
| W2852ASH | 2.0 Metre | W2852BLK | 2.0 Metre | W2852BLU | 2.0 Metre | W2852GRN | 2.0 Metre | W2852ORA | 2.0 Metre |
| W2844ASH | 2.5 Metre | W2844BLK | 2.5 Metre | W2844BLU | 2.5 Metre | W2844GRN | 2.5 Metre | W2844ORA | 2.5 Metre |
| W2853ASH | 3.0 Metre | W2853BLK | 3.0 Metre | W2853BLU | 3.0 Metre | W2853GRN | 3.0 Metre | W2853ORA | 3.0 Metre |
| W2854ASH | 4.0 Metre | W2854BLK | 4.0 Metre | W2854BLU | 4.0 Metre | W2854GRN | 4.0 Metre | W2854ORA | 4.0 Metre |
| W2855ASH | 5.0 Metre | W2855BLK | 5.0 Metre | W2855BLU | 5.0 Metre | W2855GRN | 5.0 Metre | W2855ORA | 5.0 Metre |
| W2856ASH | 6.0 Metre | W2856BLK | 6.0 Metre | W2856BLU | 6.0 Metre | W2856GRN | 6.0 Metre | W2856ORA | 6.0 Metre |
| W2858ASH | 8.0 Metre | W2858BLK | 8.0 Metre | W2858BLU | 8.0 Metre | W2858GRN | 8.0 Metre | W2858ORA | 8.0 Metre |
| W2860ASH | 10 Metre | W2860BLK | 10 Metre | W2860BLU | 10 Metre | W2860GRN | 10 Metre | W2860ORA | 10 Metre |
| W2865ASH | 15 Metre | W2865BLK | 15 Metre | W2865BLU | 15 Metre | W2865GRN | 15 Metre | W2865ORA | 15 Metre |
| W2870ASH | 20 Metre | W2870BLK | 20 Metre | W2870BLU | 20 Metre | W2870GRN | 20 Metre | W2870ORA | 20 Metre |
| W2875ASH | 30 Metre | W2875BLK | 30 Metre | W2875BLU | 30 Metre | W2875GRN | 30 Metre | W2875ORA | 30 Metre |



| CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH | CAT# | LENGTH |
|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| W2841PNK | 300mm | W2841PUR | 300mm | W2841RED | 300mm | W2841WHI | 300mm | W2841YEL | 300mm |
| W2850PNK | 500mm | W2850PUR | 500mm | W2850RED | 500mm | W2850WHI | 500mm | W2850YEL | 500mm |
| W2851PNK | 1.0 Metre | W2851PUR | 1.0 Metre | W2851RED | 1.0 Metre | W2851WHI | 1.0 Metre | W2851YEL | 1.0 Metre |
| W2848PNK | 1.5 Metre | W2848PUR | 1.5 Metre | W2848RED | 1.5 Metre | W2848WHI | 1.5 Metre | W2848YEL | 1.5 Metre |
| W2852PNK | 2.0 Metre | W2852PUR | 2.0 Metre | W2852RED | 2.0 Metre | W2852WHI | 2.0 Metre | W2852YEL | 2.0 Metre |
| W2844PNK | 2.5 Metre | W2844PUR | 2.5 Metre | W2844RED | 2.5 Metre | W2844WHI | 2.5 Metre | W2844YEL | 2.5 Metre |
| W2853PNK | 3.0 Metre | W2853PUR | 3.0 Metre | W2853RED | 3.0 Metre | W2853WHI | 3.0 Metre | W2853YEL | 3.0 Metre |
| W2854PNK | 4.0 Metre | W2854PUR | 4.0 Metre | W2854RED | 4.0 Metre | W2854WHI | 4.0 Metre | W2854YEL | 4.0 Metre |
| W2855PNK | 5.0 Metre | W2855PUR | 5.0 Metre | W2855RED | 5.0 Metre | W2855WHI | 5.0 Metre | W2855YEL | 5.0 Metre |
| W2856PNK | 6.0 Metre | W2856PUR | 6.0 Metre | W2856RED | 6.0 Metre | W2856WHI | 6.0 Metre | W2856YEL | 6.0 Metre |
| W2858PNK | 8.0 Metre | W2858PUR | 8.0 Metre | W2858RED | 8.0 Metre | W2858WHI | 8.0 Metre | W2858YEL | 8.0 Metre |
| W2860PNK | 10 Metre | W2860PUR | 10 Metre | W2860RED | 10 Metre | W2860WHI | 10 Metre | W2860YEL | 10 Metre |
| W2865PNK | 15 Metre | W2865PUR | 15 Metre | W2865RED | 15 Metre | W2865WHI | 15 Metre | W2865YEL | 15 Metre |
| W2870PNK | 20 Metre | W2870PUR | 20 Metre | W2870RED | 20 Metre | W2870WHI | 20 Metre | W2870YEL | 20 Metre |
| W2875PNK | 30 Metre | W2875PUR | 30 Metre | W2875RED | 30 Metre | W2875WHI | 30 Metre | W2875YEL | 30 Metre |

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