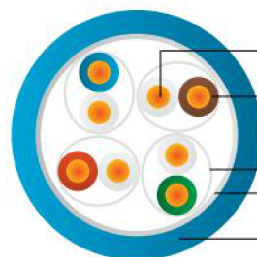
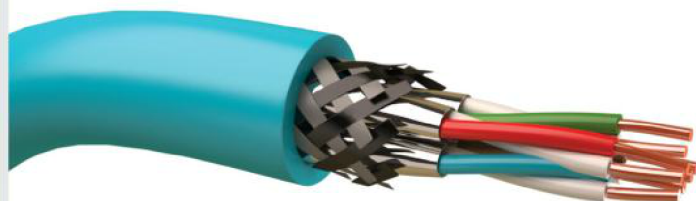


COPPER CABLES



| | |
|----------------------|--|
| Conductor | Bare copper wire, AWG 22/1 |
| Insulation | Cellular-PE, core-diameter: nominal value 1.6 mm |
| Twisting element | Pair |
| Individual shielding | Aluminium-bonded polyester foil, metal side outside (PiMF) |
| Twisting | 4 pairs |
| Overall shielding | Tinned copper braiding |
| Outer sheath | Halogen-free, flame-retardant compound |

C7A S/FTP SOLID CABLE-1100MHZ

Structure

23 AWG solid copper conductors
Foam/skin PE insulation
Aluminum foil around each pair
Braid around four pairs
FR PVC/PE/LSZH jacket

Standard

ANSI/TIA/EIA -568-B.2-10 (1100 MHz)
ISO/IEC 61156-5
EN 50173
EN 50288-4-1
ISO/IEC 11801

Applications:

Installation cable for generic cabling systems acc. ISO/IEC 11801 and EN 50173 (2. edition)
Ideal for all applications of classes D up to FA Multimedia (TV, Video, Data, Voice) >10 GbE acc. IEEE 802.3 an, Cable sharing, VoIP, PoE

Fire behavior

Flame retardant: acc. to IEC 60332-3-24
Halogen acid gas emission: acc. to IEC 60754-2
Smoke density: acc. to IEC 61034
Calorific value (MJ/m): 0.6(Sx) /1.2(Dx) (approx.)

Mechanical characteristics

Bending radius: During installation: 8 x overall Diameter (min.) & after installation: 4 x overall Diameter (min.)
Tensile strength: 110 (max.), Crush (N/100 mm): 1,000
Impact (number of shocks): 10

Chemical characteristics

Free of hazardous substances acc. to RoHS 2002/95/EG

Thermal characteristics

Temperature range for fixed installation: -20°C up to +60°C
Temperature range for mobile operation: 0°C up to +50°C

| Frequency | Attenuation dB/100m | | NEXT dB | | PS-NEXT dB | | ACR dB@100m | | PS-ACR dB@100m | | EL-FEXT dB@100m | | PS-ELFEXT dB@100m | | RL dB | |
|-----------|---------------------|--------------|---------|--------------|------------|--------------|-------------|--------------|----------------|--------------|-----------------|--------------|-------------------|--------------|-------|--------------|
| | typ. | Cat. 7 max.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* | typ. | Cat. 7 min.* |
| 1 | 1.9 | 2 | 105 | 80 | 102 | 77 | 104 | 78 | 101 | 75 | 98 | 80 | 95 | 77 | 26.6 | 23 |
| 10 | 4.8 | 5.7 | 105 | 80 | 102 | 77 | 101 | 74 | 98 | 71 | 103 | 74 | 100 | 71 | 35.3 | 25 |
| 100 | 16.3 | 18.5 | 105 | 72 | 102 | 69 | 89 | 54 | 86 | 51 | 89 | 54 | 86 | 51 | 39.6 | 20.1 |
| 200 | 24.3 | 26.8 | 105 | 68 | 102 | 65 | 81 | 41 | 78 | 38 | 82 | 48 | 79 | 45 | 36 | 18 |
| 250 | 27.5 | 30.2 | 105 | 66 | 102 | 63 | 78 | 36 | 75 | 33 | 79 | 46 | 76 | 43 | 34 | 17.3 |
| 500 | 37.9 | 44.1 | 100 | 62 | 97 | 59 | 62 | 18 | 59 | 15 | 67 | 40 | 64 | 37 | 29 | 17.3 |
| 600 | 42.4 | 48.9 | 95 | 61 | 92 | 58 | 53 | 12 | 50 | 9 | 60 | 38 | 57 | 35 | 25.4 | 17.3 |
| 700 | 47.2 | - | 95 | - | 92 | - | 48 | - | 45 | - | 57 | - | 54 | - | 24.6 | - |
| 800 | 50.3 | - | 93 | - | 90 | - | 43 | - | 40 | - | 53 | - | 50 | - | 23.5 | - |
| 900 | 54.6 | - | 90 | - | 87 | - | 35 | - | 32 | - | 49 | - | 46 | - | 22.6 | - |
| 1,000 | 58 | - | 88 | - | 85 | - | 30 | - | 27 | - | 44 | - | 41 | - | 21.5 | - |
| 1,100 | 61.5 | - | 85 | - | 81 | - | 25 | - | 22 | - | 39 | - | 36 | - | 20.6 | - |

| Part Number | Size | Jacket type | AWG | Reel | Color sheath |
|-------------|------|-------------|-----|------|----------------|
| CC7A0013 | 4P | LSZH | 23 | 500m | BLUE, RAL 5015 |
| CC7A0033 | 2x4P | LSZH | 23 | 500m | BLUE, RAL 5015 |

* EN 50288-4-1(2004)/ IEC 61156-5(2002)

