

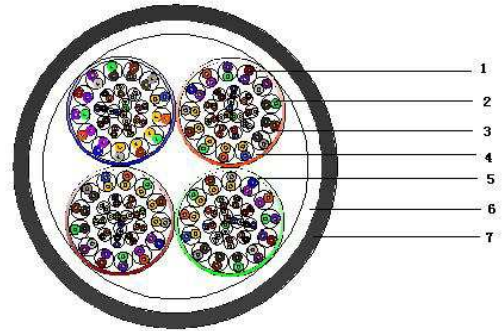
DA-2Y2Y 100x2xAWG25/1



1. Category: 3

2. Construction: see figures

- 1) Conductor: solid bare copper wire, AWG 25/1
- 2) Insulation: solid PE
Color code: white/blue, white/orange, white/green, white/brown, white/grey,
Red/blue, red/orange, red/green, red/brown, red/grey
Black/blue, black/orange, black/green, black/brown, black/grey
Yellow/blue, yellow/orange, yellow/green, yellow/brown, yellow/grey
Purple/blue, purple/orange, purple/green, purple/brown, purple/grey
- 3) Pair: 100 twisted pairs
- 4) Individual unit: each unit of 25 (4x) pairs
- 5) Each individual unit in different color bindings; color codes are white-blue, white-orange, white-green, white-brown etc....
- 6) Tape: Polyester
- 7) Outer sheath: PE (Black; RAL 6008)



3. Electronic characteristics at 20°C:

| | |
|-------------------------------------|-------------|
| DC resistance (max.) | 120 Ohm/km |
| Insulation resistance (min.) | 5 Gohm x km |
| Mutual capacitance (app.) | 58 nF/km |
| Transfer capacitance [e] (app.) | 1500 pF/km |
| Signal velocity [c] (app.) | 0.68 |
| Propagation Delay (app.) | 530 ns/100m |
| Skew at 100 MHz (app.) | 40 ns/100m |
| Characteristic impedance at 100 MHz | 100±5 Ohm |
| Test voltage Ueff | 1.000 V |
| Operating voltage Ueff (max) | 125 V |

| Frequency MHz | Attenuation dB/100m | NEXT dB | PS-NEXT dB /100 | EL-FEXT dB /100m | PS-ELFEXT dB /100m | RL dB /100m |
|------------------|------------------------|------------|--------------------|---------------------|-----------------------|----------------|
| | max | min | min | min | min | min |
| 1 | 2.6 | 41.3 | 41.3 | 39 | 39 | 12 |
| 4 | 5.6 | 32.3 | 32.27 | 27 | 27 | 12 |
| 8 | 8.5 | 27.8 | 27.75 | 21 | 21 | 12 |
| 10 | 9.7 | 26.3 | 26.3 | 19 | 19 | 12 |
| 16 | 13.1 | 23.2 | 23.24 | 15 | 15 | 10 |

TIA/EIA-568-C.2-2009

ISO/IEC 11801: 2002(E)

YD/T1019-2001

4. Performance:

Acc. to TIA/EIA-568-C.2-2009, ISO/IEC 11801: 2002(E), YD/T1019-2001

Bandwidth: 16 MHz

5. Application:

Installation cable for generic cabling systems acc. to ISO/IEC 11801 and EN 50173 (2 edition)

Ideal for all applications of Class C (Video, Data, Voice) upto100 Base-T, acc. to IEEE802.3 an, VoIP, PoE

6. Mechanical characteristics:

Bending radius:

During the installation: 8*cable diameter

After the installation: 4*cable diameter

Tensile strength (max): 2500N

Crush 1000N/100mm

Impact (number of shocks): 10

7. Chemical property:

Thermal characteristics:

Temperature range for fixed installation: -20°C to +60°C

Temperature range for mobile installation: 0°C to + 50°C

8. Dimensions:

| Type | Size | Outer diameter (mm) | Weight (kg/km) | Cu Index (kg/km) | Sheath color |
|------------------------|------|---------------------|----------------|------------------|---------------|
| DA-2Y2Y 100x2xAWG 25/1 | 100P | 20 | 448 (approx) | 315,2 (approx) | Black RAL6008 |

9. Package:

500m/drum
1000m/drum

10. Article number:

DA-114101-000