

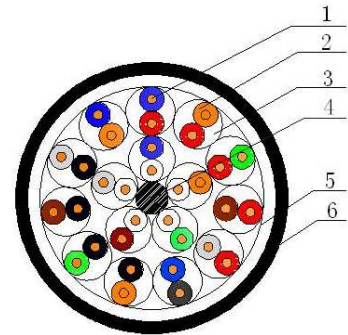
DA-2Y2Y 16*2*AWG24/1



1. Category: 5

2. Construction: see figures

- 1) Conductor: bare copper wire, AWG 24/1
- 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
- 3) Pair: 16 twisted pairs
- 4) Center filler: PVC tube
- 5) Tape: Polyester
- 6) Outer sheath: PE (black; RAL 6008)



3. Electronic characteristics at 20°C:

| | |
|-------------------------------------|-------------|
| DC resistance (max.) | 93.5 Ohm/km |
| Insulation resistance (min.) | 5 Gohm x km |
| Mutual capacitance (app.) | 54 nF/km |
| Transfer capacitance [e] (app.) | 1500 pF/km |
| Signal velocity [c] (app.) | 0.65 |
| Propagation Delay (app.) | 525 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 | 2.1 | 62.3 | 62.3 | 60.8 | 60.8 | 23.1 |
| 4 | 4.0 | 53.3 | 53.3 | 48.8 | 48.8 | 24.5 |
| 10 | 6.3 | 47.3 | 47.3 | 40.8 | 40.8 | 25 |
| 16 | 8.0 | 44.3 | 44.2 | 36.7 | 36.7 | 25 |
| 20 | 9.0 | 42.8 | 42.8 | 34.8 | 34.8 | 25 |
| 31.25 | 11.4 | 39.9 | 39.9 | 30.9 | 30.9 | 23.6 |
| 62.5 | 16.5 | 35.4 | 35.4 | 24.9 | 24.9 | 21.5 |
| 100 | 21.3 | 32.3 | 32.3 | 20.8 | 20.8 | 20.1 |

EN 50173 and ISO/IEC 11801:2002(E) IEC61156-5 YD/T1019-2001

4. Performance (Type and bandwidth of cables)

Acc. to EN 50173 and ISO/IEC 11801:2002(E)/IEC61156/YD/T1019-2001

Bandwidth: 100 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 D (Video, Data, Voice) upto 1 GBE, acc. to IEEE802.3 ab, VoIP, PoE

6. Mechanical characteristic:

Bending radius:

During installation: 8*cable diameter

After installation: 4*cable diameter

Tensile strength (Max.): 400N

Crush: 1000 N/100mm

Impact (numbers 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 16x2xAWG 24/1 | 16P | 10.5 | 94 (approx) | 61.4 (approx) | Black RAL6008 |

9. Package:

305m/box
500m/drum
1000m/drum

10. Article number:

DA-124160-000