

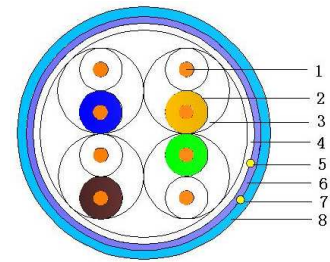
DA-2Y(St)Y 4*2*AWG24/1



1. Category: 5e

2. Construction: see figures

- 1) Conductor: solid bare copper wire, AWG24/1
- 2) Insulation: solid PE
Color code: white (blue)/blue, white (orange)/orange, white (green)/green, white (brown)/brown
- 3) Pair: 4 twisted pairs
- 4) Tape: Polyester
- 5) Drainwire: tinned copper AWG24/1
- 6) Screen: composited aluminum-plastic foil
- 7) Tear line
- 8) Outer sheath: PVC (light blue: RAL 6027)



3. Electrical characteristics at 20°C:

| | |
|-------------------------------------|-------------|
| DC resistance (max.) | 93.5 Ohm/km |
| Insulation resistance (min.) | 5 Gohm x km |
| Mutual capacitance (app.) | 56 nF/km |
| Transfer capacitance [e] (app.) | 1500 pF/km |
| Signal velocity [c] (app.) | 0.64 |
| Propagation Delay (app.) | 520 ns/100m |
| Skew at 100 MHz (app.) | 35 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 | ACR dB/100m | PS-ACR dB/100m | EL-FEXT dB/100m | PS-ELFEXT dB/100m | RL dB/100m |
|------------------|------------------------|------------|-------------------|----------------|-------------------|--------------------|----------------------|---------------|
| | max | min | min | min | min | min | min | min |
| 1 | 2.1 | 65.3 | 62.3 | 62.8 | 59.8 | 63.8 | 60.8 | 20 |
| 4 | 4.1 | 56.3 | 53.3 | 50.8 | 47.8 | 51.8 | 48.8 | 23 |
| 10 | 6.5 | 50.3 | 47.3 | 42.8 | 39.8 | 43.8 | 40.8 | 25 |
| 16 | 8.2 | 47.2 | 44.2 | 38.7 | 35.7 | 39.7 | 36.7 | 25 |
| 20 | 9.3 | 45.8 | 42.8 | 36.8 | 33.8 | 37.8 | 34.8 | 25 |
| 31.25 | 11.7 | 42.9 | 39.9 | 32.9 | 29.9 | 33.9 | 30.9 | 23.6 |
| 62.5 | 17 | 38.4 | 35.4 | 26.9 | 23.9 | 27.9 | 24.9 | 21.5 |
| 100 | 22 | 35.3 | 32.3 | 22.8 | 19.8 | 23.8 | 20.8 | 20.1 |

EN 50288-2-1(2004) /TIA/EIA-568-C.2(2009) /IEC61156-5/ YD/T1019-2001

4. Fire behavior:

Fire retardant: IEC 60332-1-2

5. Performance

Acc. to EN 50288-2-1(2004) / TIA/EIA-568-C.2(2009) /IEC61156-5/ YD/T1019-2001

Bandwidth: 100MHz

6. Application:

Installation cable for generic cabling systems acc. to EN 50288-3-1(2004), TIA/EIA-568-C.2(2009), IEC61156-5, YD/T1019-2001, ISO/IEC 11801 and EN 50173 (2.edition)

Ideal for all applications of Class D (Video, Data, Voice) up to 1GBE, acc. to IEEE802.3 ab, VoIP, PoE

7. Mechanical characteristic:

Bending radius:

During installation: 8*cable diameter

After installation: 4*cable diameter

Tensile strength (Max.): 100N

Crush: 1000 N/100mm

Impact (numbers of shocks): 10

8. Chemical property:

Transfer impedance at 10MHz (max.): 100 mOhm/m

Screen attenuation up to 100MHz (min.): 40 db

Coupling attenuation up to 1000MHz (min.): 35 db

9. Chemical property:

Thermal characteristics:

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

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

10. Dimensions:

| Size | Size | Out diameter(mm) | Weight (kg/km) | Cu Index (kg/km) | Sheath Color |
|-------------------------|------|------------------|----------------|------------------|--------------------|
| DA-2Y(St)Y 4x2xAWG 24/1 | 4P | 6.4 | 41 (approx) | 18,4 (approx) | Light blue RAL6027 |

11. Package:

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

12. Article number:

DA-221042-000