

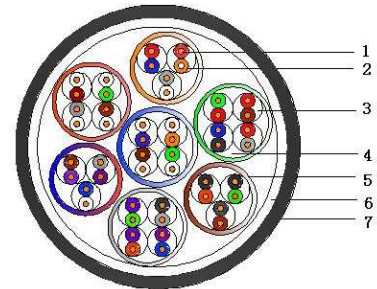
# DA-2Y2Y 25\*2\*AWG24/1



## 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, yellow/orange, yellow/green, yellow/brown, yellow/grey  
Purple/blue, purple/orange, purple/green, purple/brown, purple/grey
- 3) Pair: 25 twisted pairs
- 4) Individual unit: each unit of 3 (3x) or 4 (4x) pairs
- 5) Each individual unit in different color bindings; color codes are white-blue, white-orange, white-green, white-brown, white grey, red-blue, red-orange...
- 6) Tape: Polyester
- 7) 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.)	53 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.65
Propagation Delay (app.)	520 ns/100m
Skew at 100 MHz (app.)	40 ns/100m
Characteristic impedance at 100 MHz	100±5 Ohm
Test voltage U <sub>eff</sub>	1.000 V
Operating voltage U <sub>eff</sub> (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

**4. Performance:**

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.): 625N

Crush: 1000N/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 25x2xAWG 24/1	25P	13	144 (approx)	95,9 (approx)	Black RAL6008

**9. Package:**

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

**10. Article number:**

DA-124250-000