

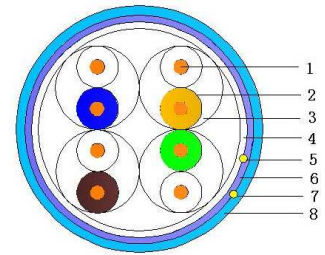
# DA-2Y(St)Y 4\*2\*AWG24/1



## 1. Category: 5

## 2. Construction: see figures

- 1) Conductor: bare copper wire, AWG 24/1
- 2) Insulation: solid PE  
Color code: white (blue)/blue, white (orange)/orange, white (green)/green, white (brown)/brown
- 3) Pair: 4 twisted pairs
- 4) Tape: polyester
- 5) Drain wire: 0.5mm tinned copper
- 6) Screen: single-side composite aluminum foil
- 7) Tear line
- 8) Outer sheath: PVC (light blue; RAL 6027)



## 3. Electronic characteristics at 20°C:

DC resistance (max.)	93.5 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	52 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.64
Propagation Delay (app.)	515 ns/100m
Skew at 100 MHz (app.)	35 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

EN 50173

ISO/IEC 11801:2002(E)

IEC61156-5

YD/T1019-2001

## 4. Fire behavior

Fire retardant acc: IEC 60332-1-2

## 5. Performance (Type and bandwidth of cables)

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

Bandwidth: 100 MHz

## 6. 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

## 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. Electromagnetic characteristic:

Transfer impedance at 10MHz: 100 mOhm/m

Screen attenuation upto 100MHz: 40 db

Coupling attenuation upto 1000MHz: 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:

Type	Size	Outer diameter (mm)	Weight (kg/km)	Cu Index (kg/km)	Sheath color
DA-2Y(St)Y 4x2xAWG 24/1	4P	6.4	39 (approx)	18,4 (approx)	Light blue RAL6027

## 11. Package:

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

## 12. Article number:

DA-221040-000