

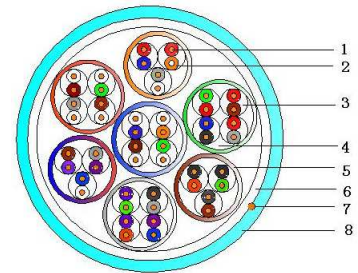
# DA-2YY 25\*2\*AWG24/1



## 1. Category: 5e

## 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 (3×) or 4(4×) pairs
- 5) Each individual unit in different color bindings (white-blue, white-orange, white-green, white-brown, white grey, red-blue, red-orange...)
- 6) Tape: polyester
- 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.)	54 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.)	30 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

#### 4. Fire behavior:

Fire retardant: IEC 60332-1-2

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

Acc. to EN 50288-3-1(2004) / TIA/EIA-568-C.2(2009) /IEC61156-5/ YD/T1019-2001

Bandwidth: 100 MHz

#### 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) upto 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.): 625N

Crush: 1000 N/100mm

Impact (numbers of shocks): 10

#### 8. Electromagnetic behavior:

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:

Type	Size	Out diameter(mm)	Weight (kg/km)	Cu Index (kg/km)	Sheath Color
DA-2YY 25x2xAWG 24/1	25P	13	163 (approx)	95,9 (approx)	Light blue RAL6027

#### 11. Package:

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

#### 12. Article number:

DA-124252-000