

# DA-2YY 25x2xAWG 25/1



## 1. Category: 3

## 2. Construction: see figures

- 1) Conductor: solid bare copper wire, AWG25/1
- 2) Insulation: solid PE

Color code: white/blue, white/orange, white/green, white/brown, white/grey,

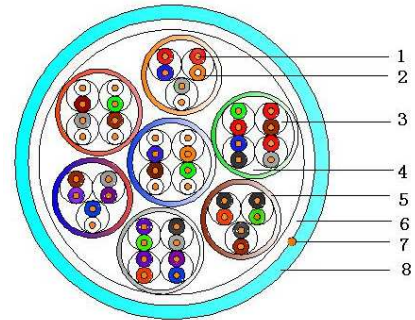
Red/blue, red/orange, red/green, red/brown, red/grey

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 units of 3 (3x) and 4 (4x) pairs
- 5) Individual unit in different color bindings; color codes are white-blue, white-orange, white-green, white-brown, white-grey, red-blue, red-orange etc.
- 6) Tape: Polyester
- 7) Tear line inside of the sheath
- 8) Outer sheath: PVC (light blue; RAL 6027)



## 3. Electronic characteristics at 20°C:

DC resistance (max.)	120 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	58 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.64
Propagation Delay (app.)	528 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	2.6	41.3	41.3	39	39	12
4	5.6	32.3	32.27	27	27	12
8	8.5	27.8	27.75	21	21	12
10	9.7	26.3	26.3	19	19	12
16	13.1	23.2	23.24	15	15	10

TIA/EIA-568-C.2-2009 ISO/IEC 11801: 2002(E) YD/T1019-2001

#### 4. Fire behavior

Flame retardant: acc. to IEC 60332-1-2

#### 5. Performance (type and bandwidth):

Acc. to TIA/EIA-568-C.2-2009, ISO/IEC 11801: 2002(E); YD/T1019-2001

Bandwidth: 16 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 C (Video, Data, Voice) upto 100 Base-T, acc. to IEEE802.3 an, VoIP, PoE

#### 7. Mechanical characteristics:

Bending radius:

During the installation: 8\*cable diameter

After the installation: 4\*cable diameter

Tensile strength (max): 625N

Crush: 1000 N/100mm

Impact (number of shocks): 10

#### 8. Chemical property:

Thermal characteristics:

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

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

#### 9. Dimensions:

Type	Size	Outer Diameter(mm)	Weight (kg/km)	Cu Index (kg/km)	Sheath color
DA-2YY 25x2xAWG 25/1	25P	12.5	147 (Approx)	78,8 (approx)	Light blue RAL6027

#### 10. Package:

305m/box

500m/drum

1000m/drum

#### 11. Article number:

DA-114251-000