

DA-2YY 50x2xAWG 25/1



1. Category: 3

2. Construction: (refer to numbers)

1) Conductor: solid bare copper wire, AWG 25/1

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: 50 twisted pairs

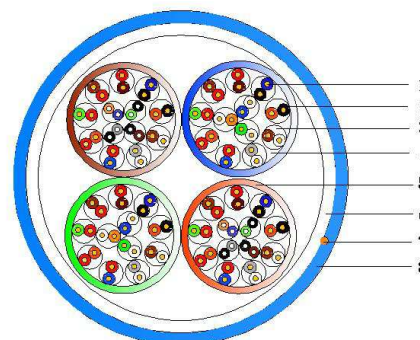
4) Individual unit: each unit of 12 (2x) or 13 (2x) pairs

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

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.)	0.63
Propagation Delay (app.)	520 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

4. Fire behavior:

Fire retardent: 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:

Cables are suitable for normal cable systems acc. to ISO/IEC 11801 and EN 50173 (2.); acc. to IEEE802.3 an, ideal for all applications of Class C up to 100 Base-T, VoIP, PoE

7. Mechanical characteristics:

Bending radius:

During the installation: 8*outer diameter

After the installation: 4*outer diameter

Tensile strength (max.): 1250 N

Crush: 1000 N/100mm

Impact (number of shocks): 10

8. Chemical property:

Thermal characteristics:

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

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

9. Dimensions:

Type	Size	Outer diameter (mm)	Weight (kg/km)	Cu Index (kg/km)	Sheath color
DA-2YY 50x2xAWG 25/1	50P	14.5	258 (approx)	157,6 (approx)	Light blue RAL6027

10. Package:

500m/drum

1000m/drum

11. Article Number:

DA-114501-000