

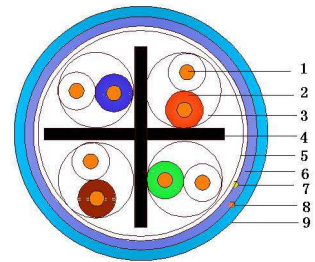
DA-2Y(St)Y 4*2*AWG23/1



1. Category: 6

2. Construction: see figures

- 1) Conductor: solid bare copper wire, AWG23/1
- 2) Insulation: solid PE
Color code: white (blue)/blue, white (orange)/orange, white (green)/green, white (brown)/brown
- Twisted pair
- 3) Pair: 4 twisted pairs
- 4) Cross element: PE
- 5) Tape: polyester
- 6) Screen: composited aluminum & plastic foil
- 7) Drain wire: tinned copper AWG24/1
- 8) Tear line
- 9) Outer sheath: PVC (light blue: RAL 6027)



3. Electrical characteristics at 20°C:

DC resistance (max.)	75 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	55 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.63
Propagation Delay (app.)	528 ns/100m
Skew at 100 MHz (app.)	29 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	74.3	72.3	67.8	64.8	66	64	20
4	3.8	65.3	63.3	55.8	52.8	58	55	23
10	6.0	59.3	57.3	47.8	44.8	50	47	25
16	7.6	56.2	54.2	43.7	40.7	45.9	43	25
20	8.5	54.8	52.8	41.8	38.8	44	41	25
31.25	10.7	51.9	49.9	37.9	34.9	40.1	37.1	23.6
62.5	15.5	47.4	45.4	31.9	28.9	34.1	31.1	21.5
100	19.9	44.3	42.3	27.8	24.8	30	27	20.1
155	25.3	41.4	39.4	24	21	26.2	23.2	18.8
200	29.1	39.8	37.8	21.8	18.8	24	21	18
250	33	38.3	36.3	19.8	16.8	22	19	17.3

4. Fire behavior:

Fire retardant: IEC 60332-1-2

5. Performance

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

Bandwidth: 250MHz

6. Application:

Generic cabling system acc.

EN 50288-5-1(2004); TIA/EIA-568-C.2(2009); IEC61156-5; YD/T1019-2001; ISO/IEC 11801 and EN 50173 (2nd edition);

acc. to IEEE 802.3an, ideal for all applications of CLASS E >10 GbE, VOIP and 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 behavior:

Transfer impedance at 10MHz (max.): 100 mOhm/m

Screen attenuation up to 500MHz (min.): 40 db

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-2Y(St)Y 4x2xAWG 23/1	4P	7.4	55 (approx)	22,5 (approx)	Light blue RAL6027

11. Package:

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

12. Article number:

DA-241040-000