

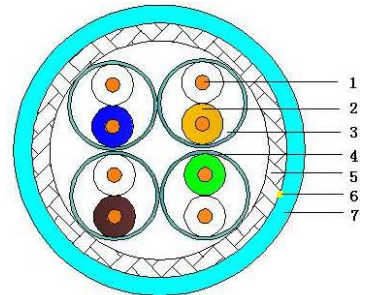
DA-02YSCY 4*2*AWG23/1PIMF



1. Category: 7

2. Construction: see figures

- 1) Conductor: solid copper wire, AWG23/1
- 2) Insulation: foamed PE (skin-foam-skin)
Color code: white (blue)/blue, white (orange)/orange, white (green)/green, white (brown)/brown
- 3) Pair: 4 twisted pairs
- 4) Individual screen (aluminum foil) for each pair
- 5) Overall screen: tinned copper wire braid
- 6) Tear line
- 7) Outer sheath: PVC (light blue: RAL 6027)



3. Electrical characteristics at 20°C:

DC resistance (max.)	70 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	45 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.74
Propagation Delay (app.)	442 ns/100m
Skew at 100 MHz (app.)	5 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	2.0	80	77	78	75	80	77	—
4	3.7	80	77	76.3	73.3	68	65	23.1
10	5.9	80	77	74.1	71.1	60	57	25
16	7.4	80	77	72.6	69.6	55.9	52.9	25
20	8.3	80	77	71.7	68.7	54	51	25
31.25	10.4	80	77	69.6	66.6	50.1	47.1	23.6
62.5	14.9	75.5	72.5	60.6	57.6	44.1	41.1	21.5
100	19	72.4	69.4	53.4	50.4	40	37	20.1
200	27.9	67.9	64.9	40	37	34	31	18
300	34.2	65.3	62.3	31.1	28.1	30.5	27.5	17.3
500	45.3	61.9	58.9	16.6	13.6	26	23.0	17.3
600	50.1	60.8	57.8	10.7	7.7	24.4	21.4	17.3

4. Fire behavior:

Fire retardant: IEC 60332-1-2

5. Performance:

Acc. to EN50288-4-1(2004) and IEC61156-5

Bandwidth: 600MHz

6. Application:

Generic cabling system acc.

EN 50288-4-1(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 F>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: 10 mOhm/m

Screen attenuation up to 600MHz: 55 db

Coupling attenuation up to 1000MHz: 60 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-02YSCY 4x2xAWG 23/1 PIMF	4P	8.2	64 (approx)	33,1 (approx)	Light blue RAL6017

11. Package:

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

12. Article number

DA-361041-000