

DA- 02YSCH 4x2xAWG 23/1PIMF

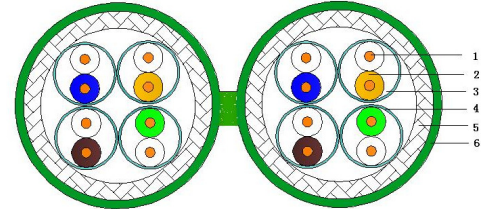
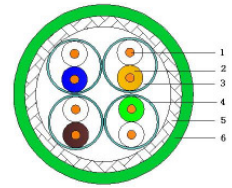
DA- 02YSCH 2x(4x2xAWG 23/1PIMF)



1. Category: 7A

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) Outer sheath LSOH (green RAL 6017)



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	EL-FEXT dB/100m	PS-ELFEXT dB/100m	RL dB/100m
	max	min	min	min	min	min
1	2.01	78	75	78	75	—
4	3.74	78	75	78	75	23.01
10	5.82	78	75	75.3	72.3	25
20	8.21	78	75	69.28	66.28	25
31.25	10.26	78	75	65.4	62.4	23.64
62.5	14.57	78	75	59.38	56.38	21.54
100	18.52	75.4	72.4	55.3	52.3	20.11
200	26.47	70.88	67.88	49.28	46.28	18
300	32.69	68.24	65.24	45.76	42.76	17.3
500	42.76	64.92	61.92	41.32	38.32	17.3
600	47.1	63.73	60.73	39.74	36.74	17.3
700	51.13	62.72	59.72	38.4	35.4	17.3
800	54.92	61.85	58.85	37.24	34.24	17.3
900	58.51	61.09	58.09	36.22	33.22	17.3
1000	61.93	60.4	57.4	35.3	32.3	17.3

4. Fire behavior:

Fire retardant:	IEC 60332-3-24:2000 and A1:2008
Halogen free acc.	IEC60754-2:1991 and A1:1997
Smoke density acc.:	IEC61034-2:2005

5. Performance

Acc. to EN50288-4-1(2004) and IEC61156-5
Bandwidth: 1000MHz

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 D-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-02YSCH 4x2xAWG 23/1PIMF	4P	8.2	68 (approx)	32.5 (approx)	Green RAL 6017
DA-02YSCH 2x(4x2xAWG 23/1PIMF)	2x4P	8.2x17.6	137 (approx)	65.7 (approx)	

11. Package:

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

12. Article number:

Simplex	DA-461040-000
Duplex	DA-461080-000