

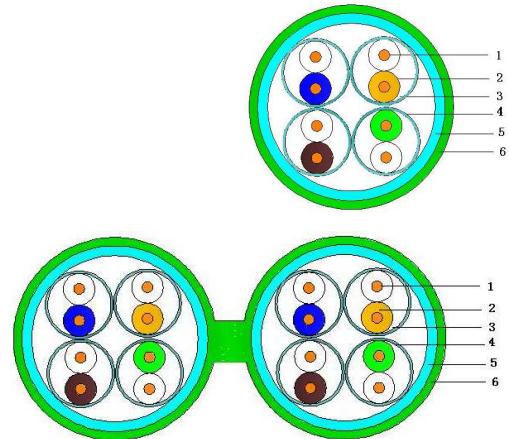
# DA-02YS(St)H 4\*2\*AWG23/1PIMF DA-02YS(St)H 2\*(4\*2\*AWG23/1)PIMF



## 1. Category: 6

## 2. Construction: see figures

- 1) Conductor: solid bare 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: composited aluminum & plastic foil
- 6) Outer sheath: LSOH (green: RAL 6017)



## 3. Electrical characteristics at 20°C:

DC resistance (max.)	75 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	48 nF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.72
Propagation Delay (app.)	440 ns/100m
Skew at 100 MHz (app.)	10 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
Halogenic acid gas emission:	IEC 60754-1/2
Smoke density:	IEC 61034-1/2

#### 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 250MHz (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-02YS(St)H 4x2xAWG 23/1PIMF	4P	8.0	57 (approx)	22,5 (approx)	Green RAL6017
DA-02YS(St)H 2x(4x2xAWG 23/1PIMF)	2x4P	2x8.0	112 (approx)	45,3 (approx)	

#### 11. Package:

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

#### 12. Article number:

Simplex	DA-241042-000
Duplex	DA-241081-000