

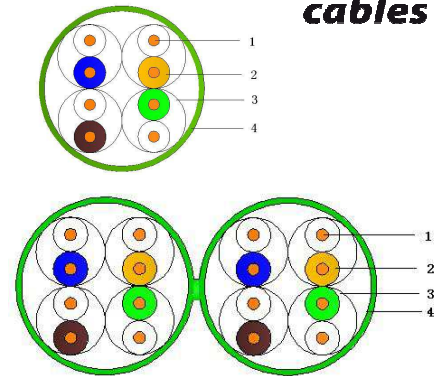
DA-2YH 4*2*AWG24/1 DA-2YH 2*(4*2*AWG24/1)



1. Category: 5e

2. Construction: see figures

- 1) Conductor: bare copper wire, AWG 24/1
- 2) Insulation: solid PE
Color code: white (blue)/blue, white (orange)/orange, white (green) green, white (brown)/brown
- 3) Pair: 4 twisted pairs
- 4) Outer sheath: LSOH (green; RAL 6017)



3. Electronic characteristics at 20°C:

DC resistance (max.)	93.5 Ohm/km
Insulation resistance (min.)	5 Gohm x km
Mutual capacitance (app.)	52 pF/km
Transfer capacitance [e] (app.)	1500 pF/km
Signal velocity [c] (app.)	0.64
Propagation Delay (app.)	525 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	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	65.3	62.3	62.8	59.8	63.8	60.8	20
4	4.1	56.3	53.3	50.8	47.8	51.8	48.8	23
10	6.5	50.3	47.3	42.8	39.8	43.8	40.8	25
16	8.2	47.2	44.2	38.7	35.7	39.7	36.7	25
20	9.3	45.8	42.8	36.8	33.8	37.8	34.8	25
31.25	11.7	42.9	39.9	32.9	29.9	33.9	30.9	23.6
62.5	17	38.4	35.4	26.9	23.9	27.9	24.9	21.5
100	22	35.3	32.3	22.8	19.8	23.8	20.8	20.1

EN 50288-3-1(2004)

TIA/EIA-568-C.2(2009)

IEC61156-5

YD/T1019-2001

4. Fire behavior:

- Fire retardant: IEC 60332-1-2
- Halogenic acid gas emission: IEC 60754-1/2
- Smoke density: IEC61034-1/2

5. Performance (Type and bandwidth of cables)

Acc. to EN 50288-3-1(2004) / TIA/EIA-568-C.2(2009) / IEC61156-5/ YD/T1019-2001

Bandwidth: 100 MHz

6. Application

Installation cable for generic cabling systems acc. to EN 50288-3-1(2004), TIA/EIA-568-C.2(2009), IEC61156-5, YD/T1019-2001, ISO/IEC 11801 and EN 50173 (2nd edition)

Ideal for all applications of Class D (Video, Data, Voice) up to 1GBE, acc. to IEEE802.3 ab, VoIP, 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: 100 mOhm/m

Screen attenuation up to 100MHz: 40 db

Coupling attenuation up to 1000MHz: 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-2YH 4x2xAWG 24/1	4P	5.3	29(approx)	15,4 (approx)	green RAL6017
DA-2YH 2x(4x2xAWG 24/1)	2x4P	5.3x10.8	59(approx)	31,6 (approx)	

11. Package:

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

12. Article number:

Simplex DA-121046-000

Duplex DA-121080-000