

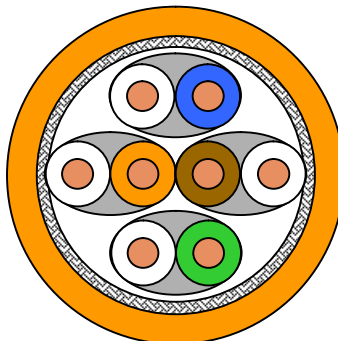


## J-02YSCH 4x2x0,56 PiMF (AWG 23/1) 100Ω-Data Cable RGBHV

**Premium CAT-5 synchron**

**S/FTP**

Installation Cable



### Application

Primär (Campus), Sekundär (Riser), Tertiär (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;  
IEEE 802.5 16 MB; ISDN; FDDI; ATM

### Standards

EIA/TIA 568B;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5  
EN 50173

### Flame resistance

FRNC: IEC 60332-1; IEC 60754-2; IEC 61034;

### Construction

Conductor	Bare copper wire Ø 0,56 mm ( <b>AWG 23</b> )
Insulation	Foam-Skin Pe, Ø 1,35 mm
Twisting	2 cores to the pairs
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid tinned (ca. 65 % coverage)
Sheath	FRNC, orange

### Mechanical properties

Bending radius	Without load	≥ 40 mm
	With load	≥ 80 mm
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C



## J-02YSCH 4x2x0,56 PiMF (AWG 23/1) 100Ω-Data Cable RGBHV

### Electrical data

at 20°C

Loop resistance	Ω /km	≤ 150			
Resistance unbalance	%	≤ 2			
Mutual capacitance at 800 Hz	nF/km	nom. 43			
Capacitance unbalance (pair/ground)	pF/km	≤ 1500			
Characteristic impedance (1-100 MHz)	Ω	(100 ± 15)			
(100 - 250) MHz		(100 ± 18)			
(250 - 600) MHz		(100 ± 25)			
Nominal velocity of propagation	%	Ca. 79			
Propagation delay	ns/100m	≤ 427			
Delay skew	ns/100m	≤ ± 2			
Test voltage (DC, 1 min)	V	1000			
Core/core and core/screen					
Transfer impedance (mΩ /m)		1 MHz	10 MHz	30 MHz	100 MHz
		5	5	10	20

### Electrical data (nominal) acc. to Category 5

at 20°C

### Technical data

Product code	Cable type	Brand name	Outer diameter	Fire load	Fire loadt	Weight	Copper content	Tensile force
			mm	MJ/km	MJ/m	kg/km		N
1018490	J-02YSCH 4x2x0,56 PiMF	Premium CAT-5 Synchron SS23/1 4P FRNC	7,5	590	0,170	75	38	340