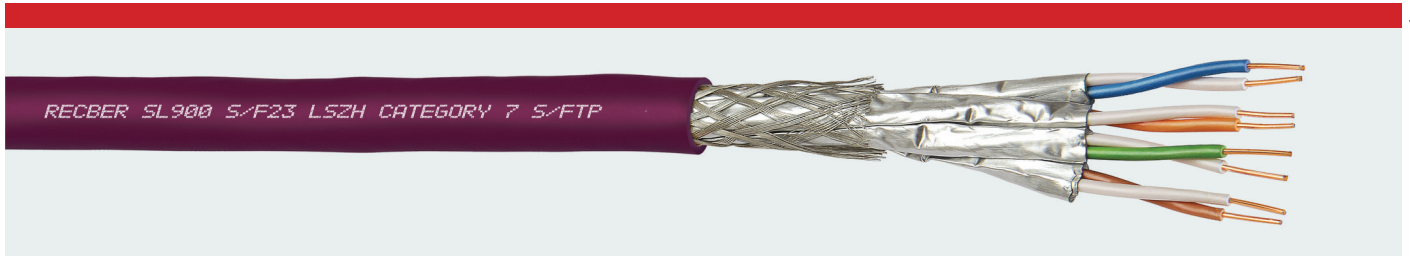


SL900 S/F23

Data cable , Category 7

S/FTP, Class F, 600MHz

4x2xAWG23

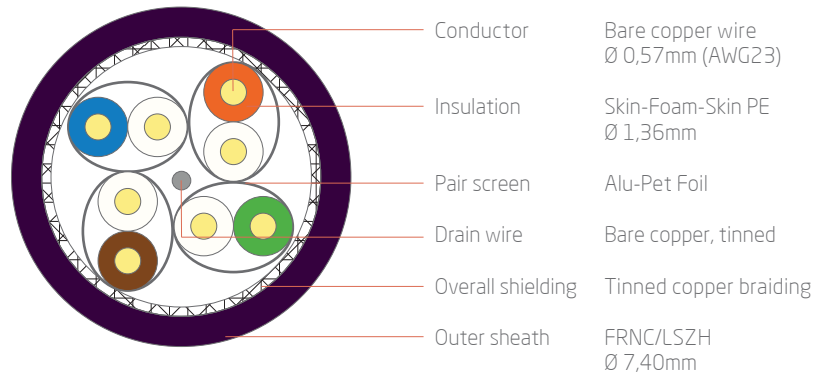


PRODUCT INFORMATION

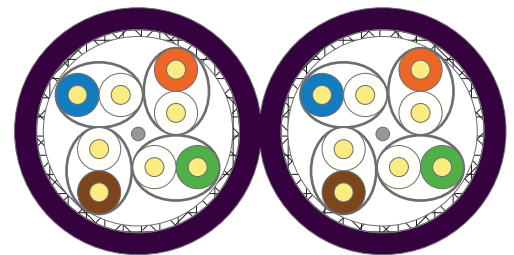
Types
SL900 S/F23 LSZH
SL900 S/F23Dx LSZH

Cable constructions

SL900 S/F23
Simplex construction



SL900 S/F23Dx
Duplex construction



Features and applications

Recher SL900 S/F23 is premium grade Class F copper data cable for structured premises cabling systems. They are characterized by large performance reserves and outstanding quality. It has excellent shielding efficiency due to individually screened pairs (PimF) and overall tinned copper braiding.

Suitable for applications up to Class F (600MHz) , Power over Ethernet (PoE)/PoE+, transmission of digital and analogue signals, video, data, voice ,VoIP (Voice over IP), 10GbE acc.to IEEE 802.3.

Standards

- International standard ISO/IEC 11801 2nd ed., IEC 61156-5
- European standard EN 50173-1, EN 50288-4-1

Flame resistancy

- Flame retardancy IEC 60332-1-2
- Halogen free IEC 60754-1/2
- Smoke density IEC 61034-1/2



Low Voltage Directive 2006/95/EC
EC Directive 2011/65/EU

SL900 S/F23

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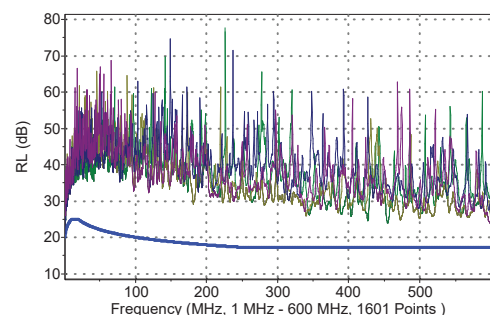
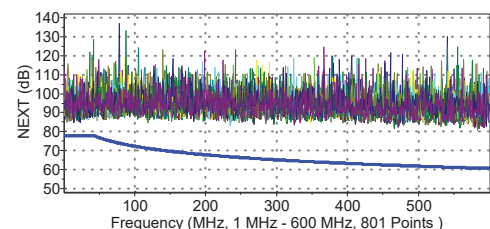
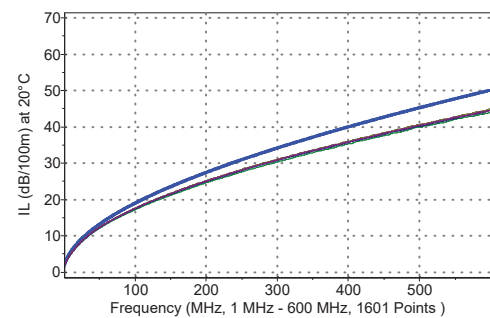
4x2xAWG23

Electrical characteristics (HF) at 20 °C

Frequency [MHz]	Attenuation [dB/100m]		NEXT [dB]		PS-NEXT [dB]		ACR [dB/100m]		PS-ACR [dB/100m]		ACR-F [dB/100m]		PS-ACR-F [dB/100m]		RL [dB]	
	typ.	max.	typ.	min.	typ.	min.	typ.	min.	typ.	min.	typ.	min.	typ.	min.	typ.	min.
1	1,8	2,0	100	80	97	77	98	78	95	75	107	80	104	77	26	20
4	3,3	3,6	100	80	97	77	96	77	93	74	107	80	104	77	30	23
10	5,3	5,7	100	80	97	77	94	74	91	71	104	74	101	71	33	25
100	17,5	18,5	100	72	97	69	82	54	79	51	92	54	89	51	33	20,1
200	25,2	26,8	100	68	97	65	75	41	72	38	84	48	81	45	32	18
250	28,0	30,2	100	66	97	63	72	36	69	33	81	46	78	43	30	17,3
500	40,5	44,1	96	62	93	59	55	18	52	15	68	40	65	37	27	17,3
600	44,5	48,9	90	61	87	58	45	12	42	9	64	38	61	35	25	17,3
800	53,5	-	84	-	81	-	30	-	27	-	56	-	53	-	23	-
862	55,0	-	83	-	80	-	28	-	25	-	54	-	51	-	22	-
900	57,0	-	81	-	78	-	24	-	21	-	49	-	46	-	21	-

Electrical characteristics (LF) at 20 °C

- DC resistance **max.** 72 Ω/km
- Resistance unbalance **max.** 2 %
- Insulation resistance **min.** 2 G Ω x km
- Mutual capacitance **nom.** 42 pF/m
- Capacitance unbalance **max.** 1500 pF/km
- Characteristic impedance **@ 100MHz** 100 ± 5 Ω
- Transfer impedance **@ 1/10/30MHz** 5/5/10 mΩ/m (Grade 1)
- Coupling attenuation **min.** 85 dB (Type 1)
- Velocity of propagation **approx.** 79 %
- Propagation delay **nom.** 420 ns/100 m
- Skew at 100MHz **nom.** 5 ns/100 m
- Testing voltage 1000 V
- Operating voltage **max.** 72 V D.C



Mechanical characteristics

- Bending radius during installation **min.** 8 x D
- Bending radius as installed **min.** 4 x D
- Tensile strength **max.** 110 N (Sx)¹⁾, 220 N (Dx)¹⁾
- Crush resistance **min.** 1000 N/10cm
- Impact strength **min.** 10 impacts
- Temperature range installation in operation 0 °C to +50 °C
-20 °C to +60 °C

Part no.	Dimensions	Outer dia. approx.[mm]	Cu content [kg/km]	Cable weight [kg/km]	Fire load [MJ/m] [kWh/m]	Sheath - Color	Packing [m]
507002	4 x 2 x 0,57	7,40	30	60	0,57 0,16	FRNC/LSZH ²⁾ (RAL 4007)	500/1000
507005	2 x (4 x 2 x 0,57)	7,40 x 15,6	60	120	1,14 0,32	FRNC/LSZH ²⁾ (RAL 4007)	1000

¹⁾ Sx= Simplex , Dx= Duplex

²⁾ FRNC/LSZH=Flame Reterdant Non Corrosive / Low Smoke Zero Halogen