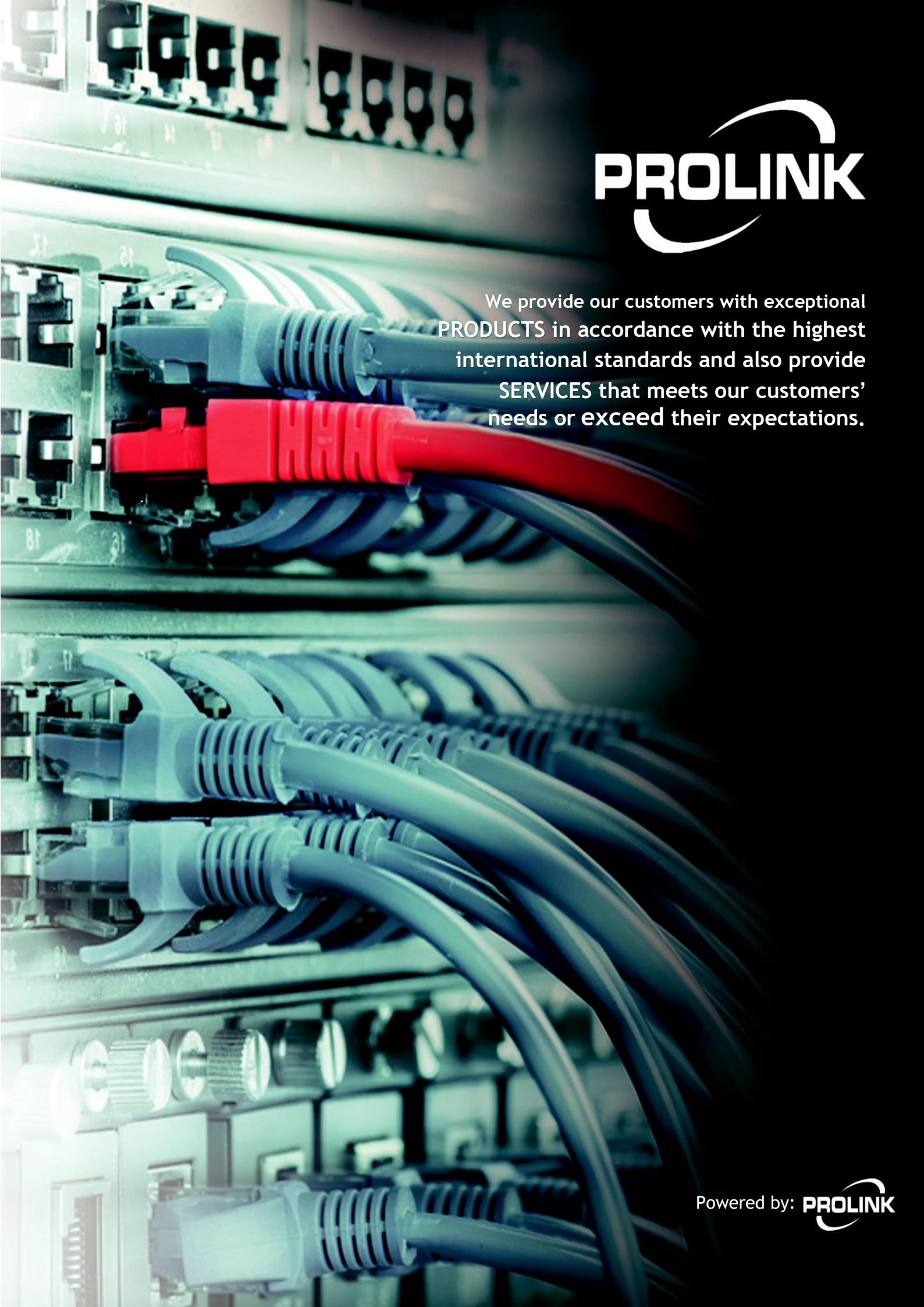
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We provide our customers with exceptional PRODUCTS in accordance with the highest international standards and also provide SERVICES that meets our customers' needs or exceed their expectations.
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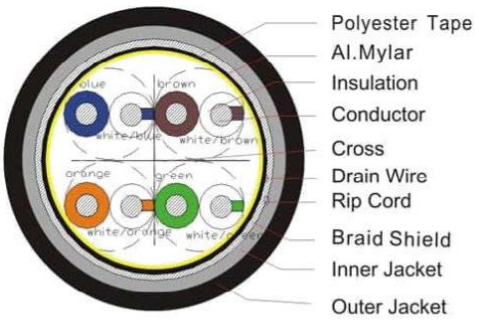
PROLINK S/FTP CAT.6A 650 MHZ
PL-C6ASF-LSZH-W



Description Cable	ProLink CAT6A S/FTP CABLE, 4 PAIR 23 AWG , LSZH , White , 305 m length Reel in a box	
Cable Reference	PROLINK Position CAT.6A , S/FTP (Shielded & Foil twisted pair)	
Cable construction	**Conductor**	Bare solid copper wire AWG23 (≥ Ø 0.56 mm)
	Insulation Polyethylene	≤ Ø 1.35 mm Nominal
	Twisting	2 cores to the pair.
	Cable lay up	4 pairs to the core
	Cable core lying	Waterproof compound to prevent moisture migration and water protection.
	Sheath	White, LSZH

Application	Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; IEEE 802.5 16 MB; ISDN; TPDDI; ATM IEEE 802.3af-2002: POE; IEEE 802.3at: POE+
Standards	IISO/IEC 11801 2nd ed.; EN 50173-1 IEC 61156-5 2nd ed.; EN 50288-10-1
Fire rating	LSZH IEC 60332-1; IEC 60754-2; IEC 61034

Technical Data	**Cable designation**	Industry S/FTP Cat.6A 650MHz 4PxAWG23
	Packaging	Drum 305 m
	Outer diameter	Nominal 7.2 mm
	Weight	20 kg / km
	Thermal load	590 MJ / km
	Segregation class	b
	Tensile force	100 N

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Mechanical Properties	**Bending radius**	≥ 30 mm during operation (without load)
		≥ 60 mm during installation (with load)
	Temperature range	During operation -20°C…+ 60°C
		During installation -0°C…+ 50°C
Electrical Properties (at 20°C ± 5°C)	**DC loop residence**	≤ 16.5 Ω / 100 m
	Resistance unbalance	≤ 2 %
	Test voltage	DC, 1 min, core/core 1000 V
	Insulation resistance	500 V ≥ 5000 MΩ * km
	Capacitance	43 pF / m nom.
	Capacitance unbalance	≤ 1500 pF / km
	Mean characteristic impedance	100±5Ω
	Nominal velocity of propagation	Approx. 76 %
	Propagation delay	At 1 MHz ≤ 500 ns / 100 m
	Delay skew	≤ 20 ns / 100 m
	Coupling attenuation	≥ 80 dB
	Balance TCL	At 1 MHz ≤ 40 dB
		At 10 MHz ≤ 40 dB
		At 100 MHz ≤ 20 dB

Typical transmission characteristics (at 20°C)

F (MHZ)	Attenuation (Db/100 m)		NEXT (dB)		PS-NEXT (dB)		ACR-F 1) (dB/100 m)		PS-ACR -F 1) (dB/100 m)		Return loss (dB)	
	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
4	3.8	3.5	66.3	100	63.3	97	56	84	53	81	23	24
10	5.9	5.6	60.3	100	57.3	97	48	83	45	80	25	30
20	8.4	7.9	55.8	100	52.8	97	42	81	39	78	25	30
62.5	15	14.2	48.4	100	45.4	97	32.1	67	29.1	64	21.5	30
100	19.1	18.5	45.3	100	42.3	97	28	63	25	60	20.1	30
250	31.1	29.1	39.3	90	36.3	87	20	55	17	52	17.3	25
500	45.3	44.8	-	83	31.8	80	14	52	11	49	17.3	21

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