

DS CODE:  
**600101**

## LS Simple™ Cabling Solution

### LS Simple™ Fiber Optic Cord & Cable with One side Connector



#### ➤ Description

- Various type of connectors (SC, LC, ST, FC, MT-RJ)
- Optimal optical performance through high quality ferrules
- 100% factory tested for Insertion Loss & Return Loss
- RoHS compliant

#### ➤ Application

- Telecommunication Network
- Data Processing Systems (Data Center)
- Horizontal Distribution & Backbone Cabling
- LAN & WAN  
(IEEE 802.3ba, 100BASE-FX, 10GBASE-LX4, 10GBASE-ER/EW etc.)
- ISDN, ADSL
- Fiber Optic Test & Measurement System
- FTTx

#### ➤ Ordering Information

Item	Part Number Scheme
Jumper Cord	LS-JC-AB/AB-C-DEF-G
Cable with One Side Connector	LS-PIG-AB-C-DEF-G

A	Connector type	B	Polishing	C	Fiber type	D	Cable Diameter
SC	SC Connector	Blank	PC type	SM	Single mode (SM), G.652	09	0.9mm
FC	FC Connector	AC	APC type	S5	Single mode (SM), G.655	20	2.0mm
ST	ST Connector			S7	Single mode (SM), G.657	24	2.4mm
LC	LC Connector			M1	Multi mode (OM1)	30	3.0mm
MTRJ	MTRJ Connector			M2	Multi mode (OM2)		
				M3	Multi mode (OM3)		
				M4	Multi mode (OM4)		

E	Connector type	F	Cable Jacket	G	Length (M)
SP	Simplex Cord	V	PVC	005	0.5m
DP	Duplex Zip Cord	Z	LSZH	010	1m
				100	10m

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#### ➤ Technical Details

- Insertion Loss and Return Loss is based on ANSI/TIA-568-C-3 requirements
- Fiber types : SM (OS1/2)-9/125um & MM(OM1~OM4)-62.5/125um, 50/125um
- Cable Diameter : Jumper Cord (1.8~3.0mm), Cable with One Side Connector (0.9~3.0mm) available
- Link Length up to 300m (OM3), 550m (OM4) with 850nm source for 10Gbps systems (IEEE802.3ae)
- Material of Ferrules : Ceramic (Zirconia)
- IEC 61754 & EN 50377 Standards compliant
- TIA-604 (FOCIS) Standards compliant
- ANSI/TIA/EIA-604-3 (SC type), ANS/TIA/EIA-604-10 (LC type), ANSI/TIA/EIA-604-12 (MT-RJ type)

Electrical / Mechanical Characteristics (except for MT-RJ connector)			
Fiber Mode	SM		MM
Polishing type	PC	APC	PC
Insertion Loss	≤0.3dB (Typ. 0.2dB)		
Return Loss	≥50dB	≥60dB	≥20dB
Durability	Max. 0.2dB increase after 500-cycle		
Retention Force	Insertion Loss Increment ≤0.2dB after 3.4kgf/10sec.		
Temperature	-20°C~70°C ( -4°F~158°F )		
Materials			
Ferrule : Ceramic (Zirconia) for Single/Multi mode			
Sleeve : Ceramic (Zirconia) for Single/Multi mode, Phosphor Bronze for Multimode			
Housing : High Impact Flame Retardant Plastic, UL 94V-0~2 Rated			
Cable Jacket : PVC or LSZH		Strength member : Aramid Yarn	

\* Test standard : IEC 61300

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#### ➤ Drawing

<b>SC type</b>		
<b>LC type</b>		
<b>ST type</b>		
<b>FC type</b>		
<b>MTRJ DP type</b>		

Type	Cable Jacket Color	Boot Color
SM	Yellow	Blue (PC), Green (APC). Black(MTRJ)
MM	Orange (OM1, 2), Aqua (OM3, 4)	Beige (SC, LC), Black (FC, ST, MTRJ)

\* Duplex cord : Basic boot with red color