

## Duplex Cordage Oversheath Design

SAMSUNG Duplex Cordage (**SC-DF**) meets or exceeds all the requirements needed in today's premise wiring systems. Our two-fiber tight buffer design reinforced with an Aramid yarn strength member, ensures optimum performance for

use in today's LAN protocol-based fiber networks. Other designs are also available on request to meet specified requirements and conditions.

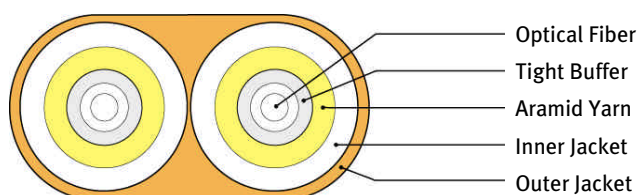


### FEATURES / BENEFITS

- Available with single mode and multi-mode fibers
- Highly flexible and light for easy handling
- Flame retardant PVC or LSZH outer jacket
- Aramid yarn strength member reinforcement
- Easy stripping for quick splicing
- Easy fiber identification by colors
- OFNR-UL 1666 / CSA FT-4 rated
- OFNP-UL 910 / CSA FT-6 rated

### APPLICATIONS

- ESCON, FDDI
- Fibre Channel
- Multi-fiber Jumper Assembly



# Duplex Cordage Oversheath Design

## CABLE CHARACTERISTICS (OVERSHEATH DESIGN)

| Item Number | Diameter  |       | Weight |              | Tensile Load      |           | Min. Bending Radius |           | Temperature        |           |
|-------------|-----------|-------|--------|--------------|-------------------|-----------|---------------------|-----------|--------------------|-----------|
|             | mm        | inch  | kg/km  | lbs/1,000 ft | (N)<br>Installing | Operating | (mm)<br>Installing  | Operating | (°C)<br>Installing | Operating |
| DF-RSA-36   | 3.6 x 6.2 | 0.102 | 10.6   | 7.136        | 177               | 82        | 50                  | 30        | -0 ~ 50            | -20 ~ 70  |
| DF-RSA-40   | 4.0 x 7.0 | 0.118 | 13.3   | 8.957        | 462               | 213       | 50                  | 30        | -0 ~ 50            | -20 ~ 70  |
| DF-RSA-44   | 4.4 x 7.8 | 0.134 | 16.6   | 11.141       | 462               | 213       | 50                  | 30        | -0 ~ 50            | -20 ~ 70  |
| DF-RSA-48   | 4.8 x 8.6 | 0.150 | 19.8   | 13.285       | 2462              | 213       | 50                  | 30        | -0 ~ 50            | -20 ~ 70  |
| DF-RSA-50   | 5.0 x 9.0 | 0.157 | 22.3   | 14.951       | 693               | 320       | 50                  | 30        | -0 ~ 50            | -20 ~ 70  |

## ORDERING INFORMATION

DF — 1 2 3 — **XX** Outer Diameter

### 1 Flame Retardancy Grade

**R** : OFNR type    **P** : OFNP type    **L** : OFN - LS type

### 2 Fiber Type

**S** : SMF    **M** : MM50/125    **L** : MM62.5/125    **N** : NZDSF  
**H** : Hybrid

### 3 Max. Attenuation

**A** : 0.40/0.30 dB/km (1310/1550 nm, SMF)  
**S** : 0.45/0.35 dB/km (1310/1550 nm, SMF)  
**M** : 2.5/0.7 dB/km & 500/500 MHz-km (850/1300 nm, MM50/125)  
**H** : 2.7/0.8 dB/km & 500/500 MHz-km (850/1300 nm, MM50/125)  
**L** : 3.0/0.8 dB/km & 160/500 MHz-km (850/1300 nm, MM62.5/125)  
**C** : 3.2/1.0 dB/km & 160/500 MHz-km (850/1300 nm, MM62.5/125)  
**N** : 0.25 dB/km (1550 nm, NZDSF)

### SAMSUNG STANDARD : DF - RSA - XX

- SMF Duplex(Flat) Type
- OFNR grade
- Out Diameter : 3.6~5.0 mm

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