

## ODC (4 core outdoor connector plug/socket)



The ODC connectors together with the support optical cable, are becoming the standard interface specified in 3G, 4G and Wimax Base Station remote radios and Fiber-to-the-Antenna applications.

The ODC cable assembly is based on the N Type RF coaxial connector. However, the product is not limited to the above applications. The ODC cable assemblies have passed tests like salt mist, vibration and shock and meet protection class IP67.

They are well suited for Industrial and Aerospace and Defense applications.

### Features:

- ◆ Compact design with 4x1.25mm ferrule
- ◆ Wide range of cables to be used, 5-6mm OD cable with duplex 2.0mm to 3.0mm jacketed subunits
- ◆ 4 Fiber, Singlemode and Multimode
- ◆ Fulfills performance Standard IEC61753-1 Cat.E
- ◆ Simple assembly requiring no special tools
- ◆ Screwed locking mechanism
- ◆ Water proof, dust proof and corrosion resistant, protection caps

### Application:

- ◆ FTTA and FTTH
- ◆ Oil & Gas, Broadcast & Industrial

**Performance Specifications:**

Item	Type	Parameter
Insertion Loss	SM	$\leq 0.30\text{dB}$
	MM	$\leq 0.30\text{dB}$
Return Loss	SM	$\geq 50\text{dB}$
	MM	$\geq 35\text{dB}$
Repetition Test		Additional Loss $\leq 0.1\text{dB}$ , Return Loss Variability $< 5\text{dB}$
Temperature Stability( $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ )		Additional Loss $\leq 0.2\text{dB}$ , Return Loss Variability $< 5\text{dB}$
Free Fall Resistance		500 falls onto concrete from 1.2M height
Bump Resistance		4000 bumps @ 40g acceleration
Tensile Strength		Tensile of 1000N, cable dependent
Operating Temperature		$-40$ to $+70^{\circ}\text{C}$
Storage Temperature		$-40$ to $+70^{\circ}\text{C}$

**Package Dimension:**
