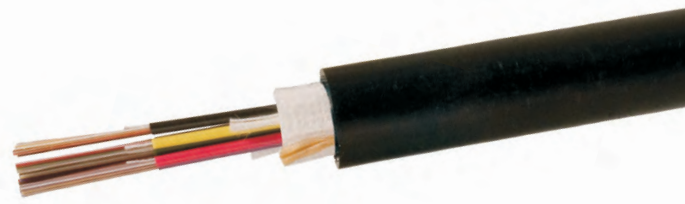




Up to 144 fibre, 5 to 12 element dry core OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) single mode 250µm multi loose tube rodent resistant external duct cables with e-glass strength members, and high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.



The multi loose tube cable construction consists of up to 144, 250µm optical fibres in 12 fibre gel filled loose tubes with fillers where appropriate, SZ stranded around a fibre reinforced plastic (FRP) central strength member with waterswellable threads and waterswellable tape. Helically applied water blocking e-glass non metallic strength members with ripcord and black high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.



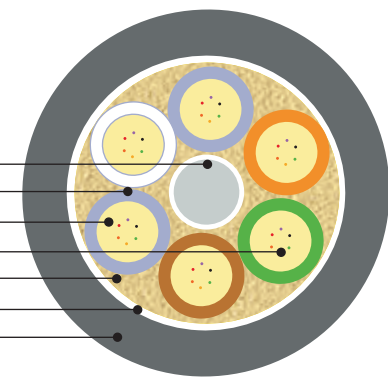
## APPLICATIONS

- ▶ Suitable for external duct applications
- ▶ Suitable for applications where environmental resistance is required

## FEATURES

- ▶ Choice of fibre type
- ▶ Colour coded fibres
- ▶ Compact 250µm loose tube construction
- ▶ PE jacket for environmental protection and water permeation resistance
- ▶ Flame retardant LSZH jacket option for enhanced fire performance

- FRP Central Strength Member
- Fibre Optic Loose Tube Cable
- Water Repellent Thixotropic Gel
- Optical Fibre
- e-glass Strength Member
- Water Blocking Tape
- PE or LSZH Jacket



Fire Retardant



Duct



Water Resistant



Rodent Resistant



Internal Use



External Use



Standard Length



## TECHNICAL SPECIFICATIONS

DESCRIPTION		24 TO 60-CORE	72-CORE	96-CORE	144-CORE	288-CORE
Outer Diameter	mm	10.5 ±0.4	11.1 ±0.4	12.6 ±0.4	15.6 ±0.4	17 ±1
Weight	kg/km	90	97	121	178	216
Max. Load (installation)	N	2000	2000	2500	3500	3500
Max. Load (installed)	N	1500	1050	2000	3000	3000
Min. Bend Radius (installation)	mm	210	220	250	310	340
Min. Bend Radius (installed)	mm	105	110	125	155	170
Operating Temp.	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	2000	2000	2000	2000	2000

## OPTICAL FIBRE AND TUBE IDENTIFICATION

WCO standard fibre and tube colours are to EIA 598 as shown in table below.

Fibre & Tube Colour	1	2	3	4	5	6	7	8	9	10	11	12
EIA/TIA 598	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Voilet	Pink	Aqua