

# FTTH CABLES

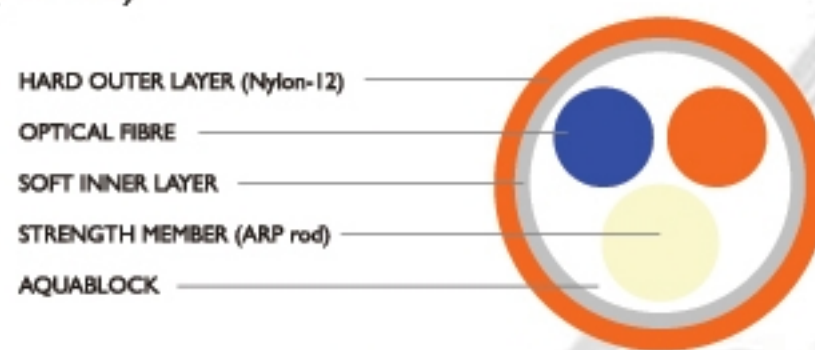
AKSH has a number of blown fibre cables & micro cables suitable for Fibre-To-The-Home (FTTH) applications for the installation into duct/micro ducts. Extending optical fibre's reach directly to the residence/business is the next logical step to provide high-speed broadband services (such as high speed data, delivering voice services, and high quality video (TPS:Triple play service)).

## FEATURES/ADVANTAGES

- Small diameter, light weight, easy to install.
- Nylon - 12 as outer sheath for increased blowing distance.
- Ripcord added for easier sheath removal.
- Meets IEC 60794, EIA/TIA, ITUT, EN 187000, RUS 1755.900 & Telcordia GR-20 International standards.
- To be blown into ducts / micro ducts of different sizes for longer distances.

## (A) AIR BLOWN MICRO FIBRE CABLE

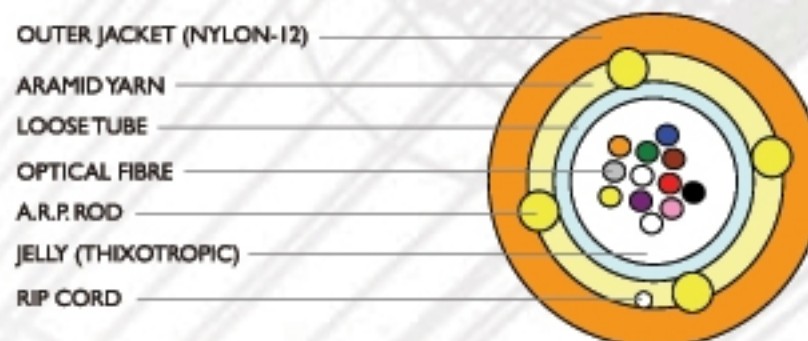
The cable is used for blowing into micro ducts. The loose tube contains fibres, aqua block and strength member (ARP rod).



PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary Dynamic	Permanent Static
D-2/SM/UT(K)-MFM-01.7	2	1.7	2.3	40	20	100	40	60
D-4/SM/UT(K)-MFM-01.9	4	1.9	2.7	40	20	100	40	60

## (B) AIR BLOWN MICRO CABLE UNITUBE DESIGN

Strength members (ARP rods) are placed around loose tube to give added rigidity and tensile strength.



PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
D-12/SM/UT(4K&A)-MFM-03.8	UPTO 12	3.8	11	800	400	1000	38	76
D-24/SM/UT(4K&A)-MFM-05.6	14 TO 24	5.6	24	1000	500	1000	56	112

### (C) AIR BLOWN MICRO CABLE MULTITUBE DESIGN

Loose tubes containing fibres and jelly are S-Z stranded around a central strength member and jacketed with nylon 12 material.



PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg/Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
D-72SM/MT(F)-MFN-05.7	UP TO 72	5.7	33	800	400	1000	57	114
D-96/SM/MT(F)-MFN-07.2	74 TO 96	7.2	49	1000	500	1000	72	144

**\*Options Available:**

- HDPE sheath as outer jacketing available.
- Fibre options: SM (G652B/D, G 655 & G657), MM (OM1, OM2 & OM3).
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- Higher fibre count cable designs are available on request.