

ARK DEPLOYABLE CABLES

DEPLOY · CONNECT · RETREIVE

2-12 CORE ARMoured DEPLOYABLE

Our range of deployable fibre optic cable reels have been designed to suit a variety of applications where cables need to be deployed and retrieved quickly and easily. The range of cables that we offer are all suitable for external application including harsh environments and are often used within the broadcast & media, oil & gas, fibre to the antenna (FTTA), data & telecoms industries as well as many others.

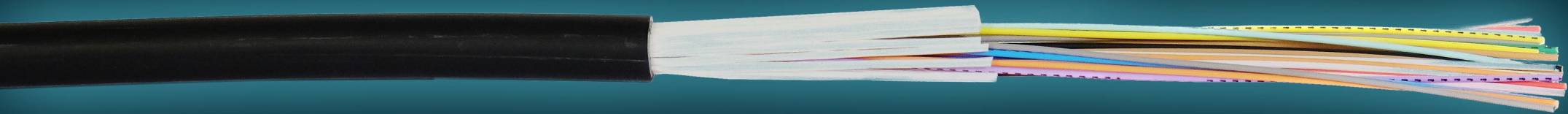
The standard termination deployable fibre reel is available in 2-12 cores and comes with an armoured protection tube as standard however we also offer armoured tails for added durability. Our unique design of the armoured protection tube gives you total peace of mind that the connectors will remain intact and undamaged. The tube has a reusable twist on and off mechanism that comes with a pulling eye attached to the end so that you can reattach if necessary. We can also offer embedded broadcast adapters and IP68 bulkheads on our drums dependant on your chosen application.

These tactical fibre optic cables are supplied on cable reels that aid with deployment and retrieval but we can also offer these cables without reels in short lengths.

2-12 CORE VARIATIONS | ARMoured TAIL OPTIONS
FOR DURABILITY | EMBEDDED BROADCAST ADAPTERS
EMBEDDED IP68 LC ADAPTERS
STANDARD TERMINATION OPTIONS



KEEPING YOU CONNECTED
WWW.ARKFIBRE.CO.UK



CABLE SPECIFICATION

STANDARD

CABLE TYPE	NO. OF FIBERS	OUTER Ø (mm)	WEIGHT (kg/km)	MAX TENSILE STRENGTH	
				SHORT TERM N	LONG TERM N
2F	2	5.1 ^{+0.3}	21.0	1100	600
4F	4	5.5 ^{+0.3}	24.0	1100	600
8F	8	6.2 ^{+0.3}	36.0	1100	600
12F	12	6.7 ^{+0.3}	49.0	1250	700

CABLE TYPE	MIN. BENDING RADIUS		MAX. LENGTH	CRUSH (N)	REPEATED BENDING (100h) CYCLES	TEMPERATURE RANGE
	WITH TENSILE mm	WITHOUT TENSILE mm				
2F	20 X OUTER Ø	4200m	2000	2000	-40°C ... +70°C	
4F	20 X OUTER Ø	4200m	2000	2000	-40°C ... +70°C	
8F	20 X OUTER Ø	4200m	2000	2000	-40°C ... +70°C	
12F	20 X OUTER Ø	4200m	2000	2000	-40°C ... +70°C	

ADDITIONAL INFORMATION ON OUR STANDARD CABLE: COMPACT/ LIGHTWEIGHT/ FLEXIBLE/ EASY TO STRIP (GEL FREE)/ TOTALLY DIELECTRIC/ REDUCED DIAMETER/ DIRECT CONNECTORISATION/ BASED ON MILITARY NORM/ MOISTURE PROTECTED/ HIGH FLEXIBILITY/ ULTRAVIOLET RESISTANCE

EXTREME

CABLE TYPE	NO. OF FIBERS	CABLE SIZE (mm)	WEIGHT (kg/km)	MAX TENSILE STRENGTH	
				SHORT TERM N	LONG TERM N
2F	2	5.0	23.0	1800	600
4F	4	5.5	24.5	1800	600
8F	8	6.5	36.0	1800	600
12F	12	6.5	39.0	2100	700

CABLE TYPE	MIN. BENDING RADIUS		MAX. CRUSH RESISTANCE N/cm	REPEATED BENDING (100h) CYCLES	TEMPERATURE RANGE
	WITH TENSILE mm	WITHOUT TENSILE mm			
2F	50	440	200	2000	-55°C ... +85°C
4F	55	440	200	2000	-55°C ... +85°C
8F	65	440	200	2000	-55°C ... +85°C
12F	65	440	200	2000	-55°C ... +85°C

ADDITIONAL INFORMATION ON OUR EXTREME CABLE: INDOOR & OUTDOOR/ NON-METALLIC CABLE/ OPTIMISED FOR REPEAT CABLE WINDING/ HIGH MECHANICAL RESISTANCE/ COMPACT DESIGN/ HIGH FLEXIBILITY/ ROBUST OUTER SHEATH/ HALOGEN FREE CABLE SHEATH/ HELICALLY STRANDED CORE FOR BETTER FLEXIBILITY AND HIGHER MECHANICAL PROTECTION OF THE OPTICAL FIBERS/ FIBRES WITH ACRYLATE PRIMARY COATING FOR IMPROVED MICRO BENDING

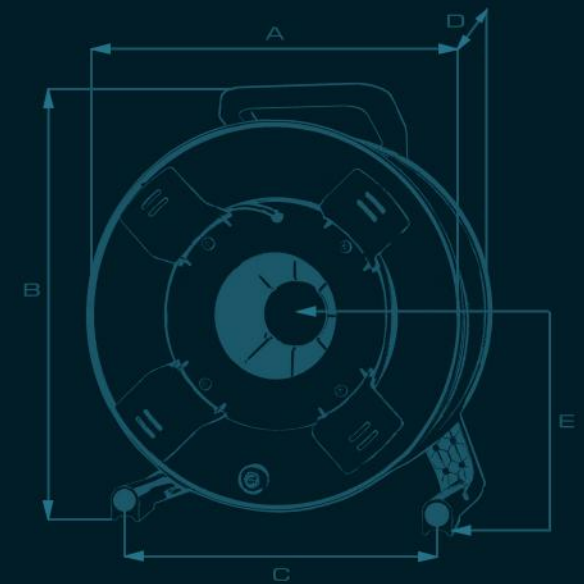
CABLE REEL CAPACITY

STANDARD & EXTREME

REEL TYPE	2 Core	4 Core	8 Core	12 Core
GT235	1-77m	1-77m	N/A	N/A
GT310	78-141m	78-141m	N/A	N/A
GT380	142-281m	142-281m	1-200m	1-200m
HT385	282-450m	282-450m	201-300m	201-300m
HT485	451-700m	451-700m	301-550m	301-550m
SK4602	701-1080m	701-1080m	551-800m	551-800m

*LARGER REELS & CUSTOMISATIONS ARE AVAILABLE ON REQUEST

CABLE REEL SPECIFICATION DIAGRAM



CABLE REEL SPECIFICATION

STANDARD & EXTREME

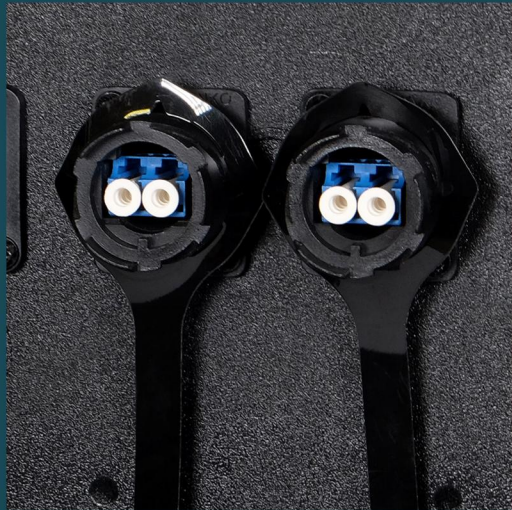
REEL TYPE	A	B	C	D	E	WEIGHT	ADDITIONAL INFORMATION
	CABLE REEL SPECIFICATION DIAGRAM MEASUREMENTS						
GT235	233mm	295mm	208mm	112mm	137mm	1.00kg	Cable drum made of speciality rubber with auxilliary spool with velcro straps.
GT310	310mm	367mm	263mm	132mm	174mm	1.80kg	Cable drum made of speciality rubber with auxilliary spool with velcro straps. Blanking plate and hinged door option available.
GT380	380mm	491mm	310mm	182mm	231mm	4.30kg	Cable drum made of speciality rubber with auxilliary spool and velcro straps. Blanking plate and hinged door option available.
HT385	380mm	460mm	300mm	210mm	210mm	5.66kg	Cable drum made of sheet metal with auxilliary spool with velcro straps. Blanking plate and hinged door option available.
HT485	460mm	547mm	350mm	210mm	257mm	7.60kg	Cable drum made of sheet metal with auxilliary spool with velcro straps. Blanking plate and hinged door option available.
SK4602	460mm	500mm	360mm	500mm	270mm	17.00kg	Cable drum made of sheet metal with auxilliary spool with velcro straps and sturdy, removable hand crank.

FEATURES & OPTIONS

- Available in 2 to 12 Core (24 Core is a special order product)
- Available in Multimode or Singlemode
- Durable in High Traffic Areas
- Aramid Yarn for tensile strength
- Perform in wide temperature range
- High Impact & Crush resistance
- Easy wind integral handle
- Supplied on Cable Reel
- Adjustable drag brake
- Manufactured in the UK

AREAS OF APPLICATION

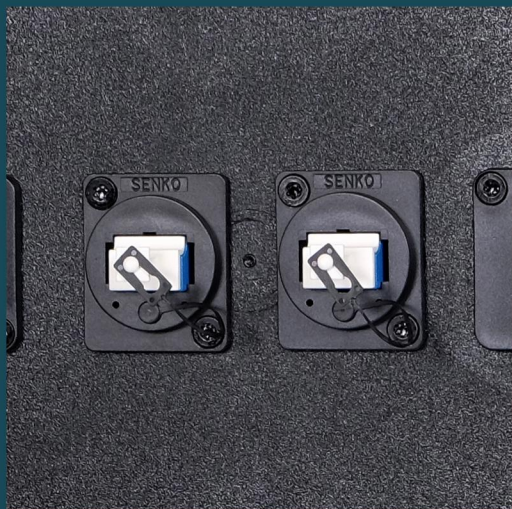
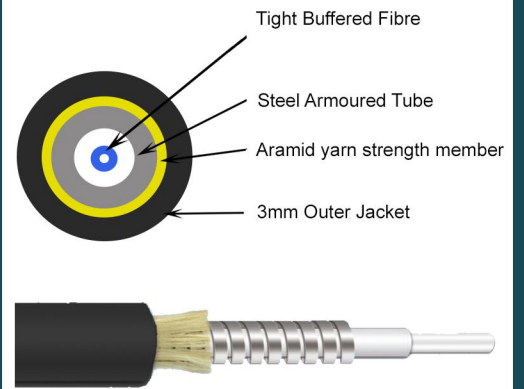
- Broadcast sector for connecting remote camera's back to central broadcasting vehicles
- Film/ Movie Camera Connectivity
- Temporary Links for music & sporting events
- Temporary Installation of critical communication links where quick deployment & retrieval are required
- Military use for field deployment such as training exercises
- Oil & Gas Industry such as Geological Testing
- Temporary Datacoms and Telecoms links
- FTTA Fibre to the Antenna



**EMBEDDED
IP68 ADAPTERS**



**ARMoured
TUBE DESIGN
&
ARMoured
TAILS**



**BROADCAST
ADAPTERS**

