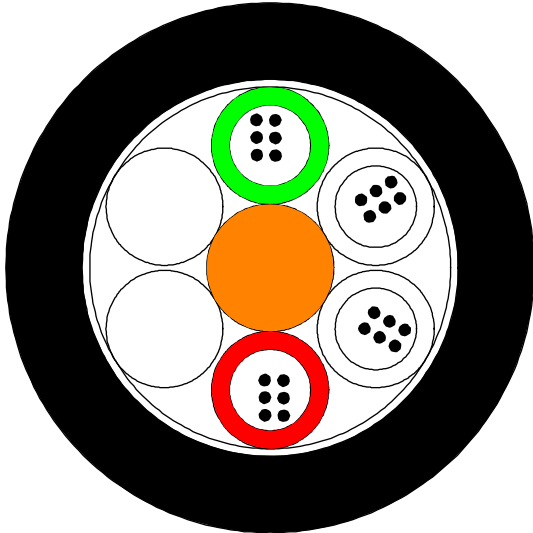


## F05: Jelly filled stranded outdoor cable

**6 – 264 Optical fibres; loose tube construction; 6, 8 or 12 fibres per  $\varnothing$  2.3 mm tube; black MDPE Sheath**

EN 50 173-1

IEC 60794-3-12



### Application

Outdoor data communication connections  
 Telecom trunk lines  
 Telecom access net lines  
 CATV trunk lines

### Standards

EN 187 000  
 IEC 60794-3  
 IEC 60794-3-10  
 IEC 60794-3-12  
 ISO 11801 2nd edition  
 EN 50 173-1

### Construction

Central strength member	$\varnothing$ 2.5 mm FRP rod
Loose tube	$\varnothing$ $\varnothing$ 2.3 mm jelly filled loose tubes, with 2 – 12 fibres each, up to 22 tubes in two layers, for lay-up refer to B04
Water blocking	The core is completely filled with a synthetic filling compound, IEC 60811-5-1
Wrapping	Polyester tape
Ripcord	Polyester ripcord for easy slitting the sheath
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708



## F05: Jelly filled stranded outdoor cable

### Fire rating

None

### Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	1800 N
Tensile strength (permanent)	E1	1200 N
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
Torsion	E7	5 cycles $\pm$ 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter
Temperature range	F1	The cables can bear temperature cycling between -40 °C to +70 °C. The cables will operate without any attenuation variation ( $\leq$ 0.05 dB) in the temperature interval -30°C to +60°C. The cables will operate with a maximum attenuation variation of 0.1 dB/km in the temperature interval -40°C to +70°C.
Water penetration	F5	No water on free end

### Mechanical properties

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube	Nominal diameter	Nominal cable weight	Minimum bending radius
6-36	8-48	12-72	10.5 mm	90 kg/km	160 mm
42-48	56-64	84-96	12.0 mm	115 kg/km	180 mm
54-60	72-80	108-120	13.5 mm	145 kg/km	200 mm
66-72	88-96	132-144	15.0 mm	180 kg/km	225 mm
78-84	104-112	156-168	16.5 mm	215 kg/km	250 mm
90-108	120-144	180-216	15.5 mm	180 kg/km	225 mm
114-132	152-176	228-264	17.0 mm	230 kg/km	255 mm

### Transmission characteristics

IEC 60793-2

Refer to the fibre data sheets

### Type designation cross reference

DIN/VDE	A- D F 2Y n x (6, 8 or 12)... LG; n is 1 to 22
DMC	UC 2000 ST-A
Draka Denmark	LTnnnmm-05-xxx; nnn is the fibre count, mm the fibre type