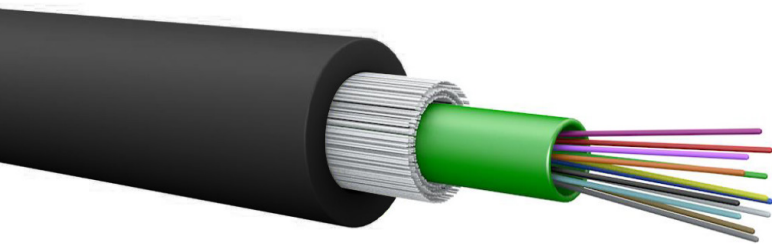


# E20: UCFIBRE™ P. 1/2

UNIVERSAL CENTRAL TUBE DCA  
NON-METALLIC GEL-FILLED CABLE



3000N, IND/OUT METAL-FREE CLASS DCA GEL-FILLED,  
WATER-BLOCKED CENTRAL TUBE CABLE, UP TO 24 FIBRES,  
GLASS YARN DIELECTRIC ARMOURING AND FIRERES®  
SHEATH. DIN/VDE: U-DQ(ZN)BH



## APPLICATION AND INSTALLATION

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections. With its FireRes® LSHF-FR sheathing this cable is ideal for indoor and outdoor installations. This cable features a high tensile strength and a degree of rodent protection, effective in many cases. It is equally suited for installation in ducts and on trays.

## STANDARDS

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

## FLAME RESISTANCE

LSHF-FR (FRNC): IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1,  
IEC 60754-2, IEC 61034-2; EN 50399 CLASS DCAS2D2A1, CLASS ECA

## CONSTRUCTION

FIBRE COLOUR CODE	1	RED	13	RED WITH MARK EVERY 70 MM
	2	GREEN	14	GREEN WITH MARK EVERY 70 MM
	3	BLUE	15	BLUE WITH MARK EVERY 70 MM
	4	YELLOW	16	YELLOW WITH MARK EVERY 70 MM
	5	WHITE	17	WHITE WITH MARK EVERY 70MM
	6	GREY	18	GREY WITH MARK EVERY 70 MM
	7	BROWN	19	BROWN WITH MARK EVERY 70 MM
	8	VIOLET	20	VIOLET WITH MARK EVERY 70 MM
	9	TURQUOISE	21	TURQUOISE WITH MARK EVERY 70 MM
	10	BLACK	22	WHITE WITH MARK EVERY 35 MM
	11	ORANGE	23	ORANGE WITH MARK EVERY 70 MM
	12	PINK	24	PINK WITH MARK EVERY 70 MM

## LOOSE TUBE

Ø2.8 MM GEL-FILLED LOOSE TUBE WITH 2-24 FIBRES

## STRENGTH MEMBER

WATER-BLOCKED E-GLASS FIBRE ELEMENTS

## CABLE SHEAT COLOUR

CABLE WITH SM FIBRES: BENDBRIGHTXS G.657.A2,  
BENDBRIGHT G.657.A1 BLACK

## SHEAT

1.5 MM FIRERES SHEATH, HALOGEN FREE, FLAME RETARDANT,  
UV STABILISED, IEC 50290-2-27

### PHYSICAL PROPERTIES

ATTRIBUTE	IEC 60794-1-21/22 METHOD	LIMITS
NOMINAL OUTER DIAMETER	-	2-24 FIBRES: 7.3 MM
NOMINAL WEIGHT	-	2-24 FIBRES: 55 KG/KM
MAXIMUM INSTALLATION TENSILE STRENGTH	E1	3 000 N (FIBRE STRAIN ≤ 0.6%)
PERMANENT TENSILE STRENGTH	E1	1 000 N (FIBRE STRAIN ≤ 0.2%)
COMPRESSIVE STRENGTH (CRUSH)	E3	3 500 N/100 MM
IMPACT	E4	20 NM (NO ATTENUATION CHANGE, NO BROKEN CABLE ELEMENTS)
TORSION	E7	5 CYCLES +/- 1 TURN
KINK	E10	THE CABLES DO NOT FORM A KINK WHEN A LOOP IS DRAWN TOGETHER TO A DIAMETER OF 200 MM
MIN. BENDING RADIUS, UNLOADED (PERMANENT)	E11	R = 73 MM
MIN. BENDING RADIUS, LOADED (INSTALLATION)	-	R = 146 MM
TEMPERATURE RANGE	F1	STORAGE: -40°C TO +60°C (SHORT TERM UP TO 70°C) INSTALLATION: -15°C TO +40°C OPERATION: -30°C TO +70°C
WATER PENETRATION	F5B	NO WATER ON FREE END
HEATH OF COMBUSTION	-	2-24 FIBRES: 1 100 MJ/KM = 0.31 KWH/M

### ORDER INFORMATION

ITEM NO	DESCRIPTION	PACKAGING	NVG#
UCFIBRE™ 04	CABLE G657A1	DRUM	2014070
UCFIBRE™ 08	CABLE G657A1	DRUM	2014071
UCFIBRE™ 12	CABLE G657A1	DRUM	2014072
UCFIBRE™ 24	CABLE G657A1	DRUM	2014073