

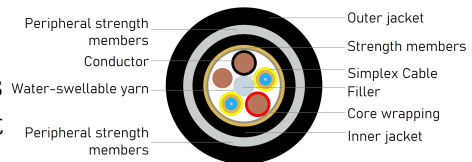
Highly Durable Hybrid Cable

Description:

Highly Durable Hybrid Cable

Rev. 0201-23/03

Highly durable flexible cable for applications where there is a requirement for data communication by fiber optic and at the same time is needed power supply. Suitable for FTTA applications, CCTV systems or for connections of movable equipment.



Specifications:

Fibre count	2
Fibre Type	G.657.A1, G.657.A2
Fibre colour	Natural
Buffer diameter	0.9 mm
Buffer material	UV curable acrylate
Buffer colour	Blue
Simplex Colour	Yellow (identified by numbers #1 a #2)
Simplex jacket	Halogen-free flame-retardant thermoplastic compound
Simplex diameter	1.8 mm
Conductor count	3
Conductor	Stranded Tinned Copper, AWG 16 (19x0.3 mm)
Wire Insulation material	FEP
Wire Insulation colour	White, Black, Red
Wire Insulation diameter	1.9 mm
Core wrapping	Water-swellable tape
Strength members	Water-swellable Aramid yarns
Inner jacket	Flame-retardant TPU Outer Jacket (V-2 acc. to UL94)
Inner jacket thickness	0.8 mm
Peripheral strength members	Water-swellable glass yarns
Outer jacket	UV stable Flame-retardant TPU Outer Jacket (V-2 acc. to UL94)
Outer jacket thickness	1.3 mm

Cable outer diameter	11.7 mm	
Max. Loading (Short Term)	8000 N	EN 60794-1-21-E1
Max. Loading (Long Term)	3500 N	EN 60794-1-21-E1
Abrasion	5N/10 000 cycles	EN 60794-1-21-E2
Max. compressive loading	5500 N/10cm]	EN 60794-1-21-E3
Max. Impact loading	27 Nm	EN 60794-1-21-E4
Kink	150 mm	EN 60794-1-21-E10
Min. bend radius not load	75 mm	EN 60794-1-21-E11
Min. bend radius load	150 mm	EN 60794-1-21-E11
Torsion resistance	±360°	EN 60794-1-21-E7
Wire resistance	14.6 Ohm/km at 20°C	
Wire Insulation Spark Test 3000V/0.15 sec.	Pass	
Test voltage underwater 2000V/ 1 hour (room temp.)	Pass	
Operating temperature range (static)	-40 až +70°C	EN 60794-1-22-F1
Operating temperature range (dynamic)	-10 až +70°C	EN 60794-1-22-F1
Storage temperature range	-40 až +70°C	EN 60794-1-22-F1
Freezing test	Pass	IEC 60794-1-22-F15
Aging test	Pass	IEC 60794-1-22-F9
Water tightness	Pass	EN 60794-1-22-F5
Cable Weight (calc.)	66 kg/km	
Class of fire reaction	Fca	EN 13501-6
Static coefficient of friction (stainless steel - dry)	0.73	

Ordering code:

OPK-U-SPC-2(5×1,8)A9AEUGU-xx-BK

xx – fiber type (see Cable code datasheet)

Print legend: Manufacturer -cable type - lot number- length marking per 1 m (customer print legend available on request)

Delivery length 2100 m \pm 5% on plywood reel or solid wooden non-returnable drum