

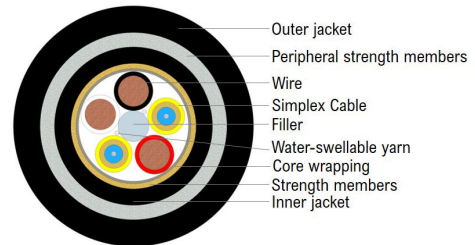
Highly Durable Hybrid Cable

Description:

Highly Durable Hybrid Cable

Rev. 0201-20/41

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	Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2
Simplex diameter	1.8 mm
Wire count	3
Wire	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	3000	[N/10cm]	EN 60794-1-21-E3

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Max. Impact loading	20	[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
Wire resistance	14.6	[Ohm/km at 20°C]	
Wire Insulation Spark Test 3000V/0.15 sec.	Pass		
Test voltage 2000V underwater 1 hour at the 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
Cable Weight (calc.)	66	[kg/km]	
Class of fire reaction	F _{ca}		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)

Marking Method: Ink-Jet

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

Delivery length: 2000 m ± 5% on plywood reel or solid wooden non-returnable drum