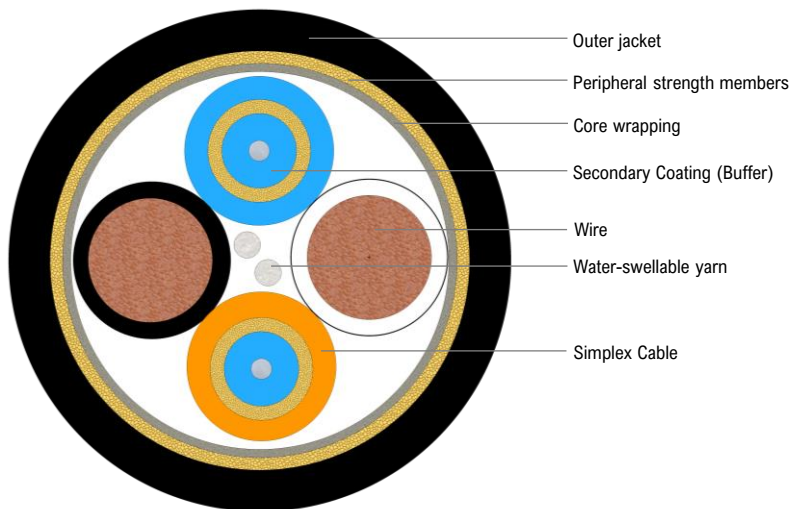


Hybrid Cable 2F + 2x CuSn

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 FTTH applications and CCTV systems.



Fibre count	2
Fibre Type	G.652.D, G.657.A1, G.657.A2, OM1, OM2, OM3, OM4
Fibre colour	Natural
Buffer diameter	0.9 mm
Buffer material	UV curable acrylate
Buffer colour	Blue
Simplex Colour	Blue, Orange
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	2
Wire	Stranded Tinned Copper, AWG 16 (19x0.3 mm)
Wire Insulation material	FEP
Wire Insulation colour	White, Black
Wire Insulation diameter	1.9 mm
Core wrapping	Water-swallowable tape
Strength members	Water-swallowable Aramid yarns
Outer jacket	UV stable Flame-retardant TPU Outer Jacket (V-2 acc. to UL94)

Cable outer diameter	7.3	[mm]	
Maximum tensile loading (Short Term)	500	[N]	EN 60794-1-21-E1
Maximum tensile loading (Long Term)	80	[N]	EN 60794-1-21-E1
Max. compressive loading	1500	[N/10cm]	EN 60794-1-21-E3
Max. Impact loading	10	[Nm]	EN 60794-1-21-E4
Min. bend radius not load	10	[OD]	EN 60794-1-21-E11
Min. bend radius load	15	[OD]	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	-40 to +70	[°C]	EN 60794-1-22-F1
Storage temperature range	-40 to +70	[°C]	EN 60794-1-22-F1
Water tightness	No water detected on free end		EN 60794-1-22-F5
Cable Weight (calc.)	66	[kg/km]	
Class of fire reaction	F _{ca}		EN 13501-6

Cable Code (Ordering Code)	OPK-U-SPC-2(4×1,8)A9AHEU-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	