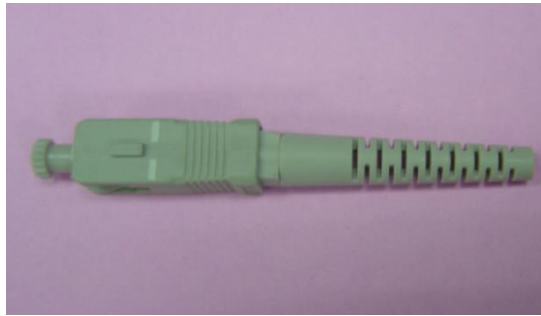


ZK1091-1001-xxxx | Fibre-optic duplex cable, SC connector on both sides

Cable

Construction	ZK1091-1001-xxxx					
Single element	<ul style="list-style-type: none"> ▪ Strain relief elements aramid ▪ Subcable jacket halogen-free and flame-retardant material, wall thickness ca. 0.3 mm ▪ Diameter 2.1 mm, digits printed 					
Total cable	<ul style="list-style-type: none"> ▪ Two break-out single elements in parallel beside each other ▪ Outer jacket halogen-free and flame-retardant material, wall thickness ca. 0.4 mm, colour: orange for multi-mode ▪ Outer dimensions: ca. 3.3 x 5.2 mm ▪ Ripcord below the jacket 					
Use/laying	<ul style="list-style-type: none"> ▪ For fixed laying in cable channels and pipes as well as for manoeuvring purpose ▪ Ideal for workplace cabling ▪ For direct plug confection 					
Mechanical properties	<ul style="list-style-type: none"> ▪ Bending radius min. (over flat side) <table style="margin-left: 20px; border: none;"> <tr> <td>installed</td> <td>35 mm</td> </tr> <tr> <td>when installing</td> <td>65 mm</td> </tr> </table> ▪ Pull force max. 600 N ▪ Cable weight 19.1 kg/km ▪ Max. crush resistance 400 N/dm 		installed	35 mm	when installing	65 mm
installed	35 mm					
when installing	65 mm					
Thermal properties	<ul style="list-style-type: none"> ▪ Transport and storage - 25 °C to + 70 °C ▪ Installation - 5 °C to + 50 °C ▪ Operation - 5 °C to + 70 °C 					
Fire performance	<ul style="list-style-type: none"> ▪ Flame retardant IEC 60332-1-2 and IEC 60332-3-22 Kat. A ▪ Smoke density IEC 61034 ▪ Halogen-free IEC 60754-1 ▪ No corrosive and toxic fumes ▪ Fire load 0.63 MJ/m 					
Chemical properties	<ul style="list-style-type: none"> ▪ Not resistant to oil, gas, acids and bases 					
Standardization	<ul style="list-style-type: none"> ▪ IEC 60794-2 ▪ IEC 60794-2-10 ▪ IEC 60794-2-11 ▪ IEC 60794-2-50 ▪ EN 50575:2014 + A1:2016 					

Plug SC-plug for multi-mode fibers



Properties	
	<ul style="list-style-type: none"> ▪ Locking with push-pull ▪ 2.5mm ceramic-ferrule with 127µm drilling ▪ Manufacturing by crimping, glueing and polishing ▪ Conformance: IEC61754-4, RoHS ▪ Colour might vary

Fiber

Construction	
	<ul style="list-style-type: none"> ▪ Optical fiber G50/125 µm, (referred to CCITT Rec. G.651 and IEC 60793-2-10 type A1a) with optical core, diameter 50 µm + /-2.5 µm and optical jacket, diameter 125 µm +/- 2 µm ▪ Primary coating in two-coat acrylate construction, diameter 245 µm +/- 10 µm

Transmission properties					
	<ul style="list-style-type: none"> ▪ Attenuation: <table style="margin-left: 20px; border: none;"> <tr> <td style="padding-right: 20px;">at 850 nm</td> <td>max. 2.7 dB/km</td> </tr> <tr> <td>at 1300 nm</td> <td>max. 0.8 dB/km</td> </tr> </table> ▪ Numerical aperture: 0.200 +/- 0.015 	at 850 nm	max. 2.7 dB/km	at 1300 nm	max. 0.8 dB/km
at 850 nm	max. 2.7 dB/km				
at 1300 nm	max. 0.8 dB/km				

Ordering information	Length
ZK1091-1001-0001	1.00 m
ZK1091-1001-0005	5.00 m
ZK1091-1001-0010	10.00 m
ZK1091-1001-0015	15.00 m
ZK1091-1001-0020	20.00 m
ZK1091-1001-0025	25.00 m
ZK1091-1001-0030	30.00 m
ZK1091-1001-0050	50.00 m
ZK1091-1001-0060	60.00 m
ZK1091-1001-0080	80.00 m
ZK1091-1001-0090	90.00 m
ZK1091-1001-0100	100.00 m
ZK1091-1001-0120	120.00 m
ZK1091-1001-0130	130.00 m
ZK1091-1001-0150	150.00 m
ZK1091-1001-0200	200.00 m