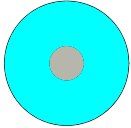


D26: UC^{FIBRE™} 900 µm LS9 Fibre Cord

LS9 fibre cord, 1 dry semi tightly buffered fibre ø900 µm. VDE: J-V



Application and Installation

The intended use of this LS9 semi-tightly buffered fibre is pigtails. The LS9 buffered fibre may also be manufactured to patch-cords, and be used as an element in cables.

The cords are available in 12 colours according to IEC 60304 and TIA -598-C.

Flame Resistance

LSHF (FRNC): IEC 60754-1; IEC 60754-2; IEC 61034

Construction

Fibre	An uncoloured (natural), nominally 250 µm fibre is standard. A coloured fiber is optional (see in product codes).
Buffer	LS9 buffer to ø900 µm

Physical Properties

Attribute	IEC 60794-1-2 Method	Limits
Diameter		Ø900 µm ± 50 µm
Weight		0.7 kg/km
Material		LSHF / LSZH material with high amount of flame retardants
Heat of combustion		17 MJ/km; 0.005 kWh/m
Stripping		300 mm for versions with multimode fibres 1000 mm for versions with singlemode fibres
Shrink back		< 1%, IEC 60811-1-3, (70°C, 3 hours, 1 meter sample)
Crush resistance	E3	100N/100 mm
Repeated bending	E6	500 cycles, R= 20 mm , no damage
Kink	E10	No kink
Minimum bending radius, other fibres	E11 / G01	R = 7.5 mm
Temperature range	F1	Operation and installation -5 °C to 60 °C Storage -40 °C to 60 °C

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Optical properties of the buffered fibre

	OM1	MaxCap-BB-OM2	MaxCap-BB-OM3	MaxCap-BB-OM4	ESMF	BendBright ^{XS}
Attenuation 850 nm	≤3.2 dB/km	≤2.7 dB/km	≤3.0 dB/km	≤3.0 dB/km		
Attenuation 1300 nm	≤1.0 dB/km	≤0.8 dB/km	≤1.0 dB/km	≤1.0 dB/km		
Attenuation 1310 nm					≤0.39 dB/km	≤0.38 dB/km
Attenuation 1550 nm					≤0.25 dB/km	≤0.23 dB/km
Bandwidth OFL 850 nm	200 MHz·km	500 MHz·km	1500 MHz·km	3500 MHz·km		
Bandwidth EMB 850 nm			2000 MHz·km	4700 MHz·km		
Bandwidth OFL 1300 nm	600 MHz·km	500 MHz·km	500 MHz·km	500 MHz·km		
For more data, see cabled fibre data sheet	C02	C34	C31	C32	C18e	C24

Product Codes – Ordering Information

Prysmian Group Material Code	Prysmian Group Material Description	Draka Material Code	Fibre Colour	Buffer Colour	Fibre Type	Fibre Data Sheet
60019243	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/BL	1020446	Natural	Blue	OM1 62.5/125 multimode	C02
60019250	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/OR	1020453	Natural	Orange	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/GR	1020445	Natural	Green	OM1 62.5/125 multimode	C02
60019246	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/BR	1020449	Natural	Brown	OM1 62.5/125 multimode	C02
60019245	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/GY	1020448	Natural	Grey	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/WH		Natural	White	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/RD		Natural	Red	OM1 62.5/125 multimode	C02
60019249	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/BK	1020452	Natural	Black	OM1 62.5/125 multimode	C02
60019244	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/YL	1020447	Natural	Yellow	OM1 62.5/125 multimode	C02
60019247	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/VI	1020450	Natural	Violet	OM1 62.5/125 multimode	C02
60019251	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/RS	1020454	Natural	Pink	OM1 62.5/125 multimode	C02
60019248	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 NA/AQ	1020451	Natural	Aqua	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/BL	1020455	Natural	Blue	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/OR	1020462	Natural	Orange	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/GR		Natural	Green	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/BR	1020458	Natural	Brown	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/GY	1020457	Natural	Grey	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/WH		Natural	White	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/RD		Natural	Red	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/BK	1020461	Natural	Black	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/YL	1020456	Natural	Yellow	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/VI	1020459	Natural	Violet	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/RS	1020463	Natural	Pink	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B NA/AQ	1020460	Natural	Aqua	MaxCap-BB-OM2 50/125	C34
60019262	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/BL	1020465	Natural	Blue	MaxCap-BB-OM3	C31
60019269	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/OR	1020472	Natural	Orange	MaxCap-BB-OM3	C31
60019261	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/GR	1020464	Natural	Green	MaxCap-BB-OM3	C31
60019265	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/BR	1020468	Natural	Brown	MaxCap-BB-OM3	C31
60019264	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/GY	1020467	Natural	Grey	MaxCap-BB-OM3	C31
60019934	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/WH	1026199	Natural	White	MaxCap-BB-OM3	C31
60019935	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/RD	1026200	Natural	Red	MaxCap-BB-OM3	C31
60019268	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/BK	1020471	Natural	Black	MaxCap-BB-OM3	C31

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60019263	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/YL	1020466	Natural	Yellow	MaxCap-BB-OM3	C31
60019266	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/VI	1020469	Natural	Violet	MaxCap-BB-OM3	C31
60019270	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/RS	1020473	Natural	Pink	MaxCap-BB-OM3	C31
60019267	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B NA/AQ	1020470	Natural	Aqua	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/BL		Natural	Blue	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/OR		Natural	Orange	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/GR		Natural	Green	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/BR		Natural	Brown	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/GY		Natural	Grey	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/WH		Natural	White	MaxCap-BB-OM4	C32
60019701	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/RD	1025009	Natural	Red	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/BK		Natural	Black	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/YL		Natural	Yellow	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/VI	1027113	Natural	Violet	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/RS		Natural	Pink	MaxCap-BB-OM4	C32
60043388	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/AQ		Natural	Aqua	MaxCap-BB-OM4	C32
60020187	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B NA/4003		Natural	Erika-Violet	MaxCap-BB-OM4	C32
60042841	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/BL	1020427	Natural	Blue	OS2 Singlemode G652.D	C18e
60019231	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/OR	1020434	Natural	Orange	OS2 Singlemode G652.D	C18e
60019223	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/GR	1020426	Natural	Green	OS2 Singlemode G652.D	C18e
60019227	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/BR	1020430	Natural	Brown	OS2 Singlemode G652.D	C18e
60019226	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/GY	1020429	Natural	Grey	OS2 Singlemode G652.D	C18e
60019943	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/WH	1026230	Natural	White	OS2 Singlemode G652.D	C18e
60019942	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/RD	1026231	Natural	Red	OS2 Singlemode G652.D	C18e
60019230	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/BK	1020433	Natural	Black	OS2 Singlemode G652.D	C18e
60019225	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/YL	1020428	Natural	Yellow	OS2 Singlemode G652.D	C18e
60019228	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/VI	1020431	Natural	Violet	OS2 Singlemode G652.D	C18e
60019232	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/RS	1020435	Natural	Pink	OS2 Singlemode G652.D	C18e
60019229	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM2D.P NA/AQ	1020432	Natural	Aqua	OS2 Singlemode G652.D	C18e
60020644	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/BL	1029488	Natural	Blue	BendBright ^{XS} G.657.A2	C24
60019240	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/OR	1020443	Natural	Orange	BendBright ^{XS} G.657.A2	C24
60019233	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/GR	1020436	Natural	Green	BendBright ^{XS} G.657.A2	C24
60019236	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/BR	1020439	Natural	Brown	BendBright ^{XS} G.657.A2	C24
60019235	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/GY	1020438	Natural	Grey	BendBright ^{XS} G.657.A2	C24
60020642	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/WH	1029484	Natural	White	BendBright ^{XS} G.657.A2	C24
60020643	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/RD	1029485	Natural	Red	BendBright ^{XS} G.657.A2	C24
60019239	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/BK	1020442	Natural	Black	BendBright ^{XS} G.657.A2	C24
60019234	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/YL	1020437	Natural	Yellow	BendBright ^{XS} G.657.A2	C24
60019237	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/VI	1020440	Natural	Violet	BendBright ^{XS} G.657.A2	C24
60019241	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/RS	1020444	Natural	Pink	BendBright ^{XS} G.657.A2	C24
60019238	UC ^{FIBRE™} S LSHF LS9 0.9 1 SM7B NA/AQ	1020441	Natural	Aqua	BendBright ^{XS} G.657.A2	C24
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 BL/BL		Blue	Blue	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 OR/OR		Orange	Orange	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 GR/GR		Green	Green	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 BR/BR		Brown	Brown	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 GY/GY		Grey	Grey	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 WH/WH		White	White	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 RD/RD		Red	Red	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 BK/BK		Black	Black	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 YL/YL		Yellow	Yellow	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 VI/VI		Violet	Violet	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 RS/RS		Pink	Pink	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} S LSHF LS9 0.9 1 MM61 AQ/AQ		Aqua	Aqua	OM1 62.5/125 multimode	C02

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	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B BL/BL		Blue	Blue	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B OR/OR		Orange	Orange	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B GR/GR		Green	Green	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B BR/BR		Brown	Brown	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B GY/GY		Grey	Grey	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B WH/WH		White	White	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B RD/RD		Red	Red	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B BK/BK		Black	Black	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B YL/YL		Yellow	Yellow	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B VI/VI		Violet	Violet	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B RS/RS		Pink	Pink	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM2B AQ/AQ		Aqua	Aqua	MaxCap-BB-OM2 50/125	C34
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B BL/BL		Blue	Blue	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B OR/OR		Orange	Orange	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B GR/GR		Green	Green	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B BR/BR		Brown	Brown	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B GY/GY		Grey	Grey	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B WH/WH		White	White	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B RD/RD		Red	Red	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B BK/BK		Black	Black	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B YL/YL		Yellow	Yellow	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B VI/VI		Violet	Violet	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B RS/RS		Pink	Pink	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM3B AQ/AQ		Aqua	Aqua	MaxCap-BB-OM3	C31
60049706	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B BL/BL		Blue	Blue	MaxCap-BB-OM4	C32
60049522	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B OR/OR		Orange	Orange	MaxCap-BB-OM4	C32
60049705	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B GR/GR		Green	Green	MaxCap-BB-OM4	C32
60049518	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B BR/BR		Brown	Brown	MaxCap-BB-OM4	C32
60049517	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B GY/GY		Grey	Grey	MaxCap-BB-OM4	C32
60049708	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B WH/WH		White	White	MaxCap-BB-OM4	C32
60049704	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B RD/RD		Red	Red	MaxCap-BB-OM4	C32
60049521	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B BK/BK		Black	Black	MaxCap-BB-OM4	C32
60049707	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B YL/YL		Yellow	Yellow	MaxCap-BB-OM4	C32
60049519	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B VI/VI		Violet	Violet	MaxCap-BB-OM4	C32
60049703	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B RS/RS		Pink	Pink	MaxCap-BB-OM4	C32
60049520	UC ^{FIBRE™} S LSHF LS9 0.9 1 OM4B AQ/AQ		Aqua	Aqua	MaxCap-BB-OM4	C32

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