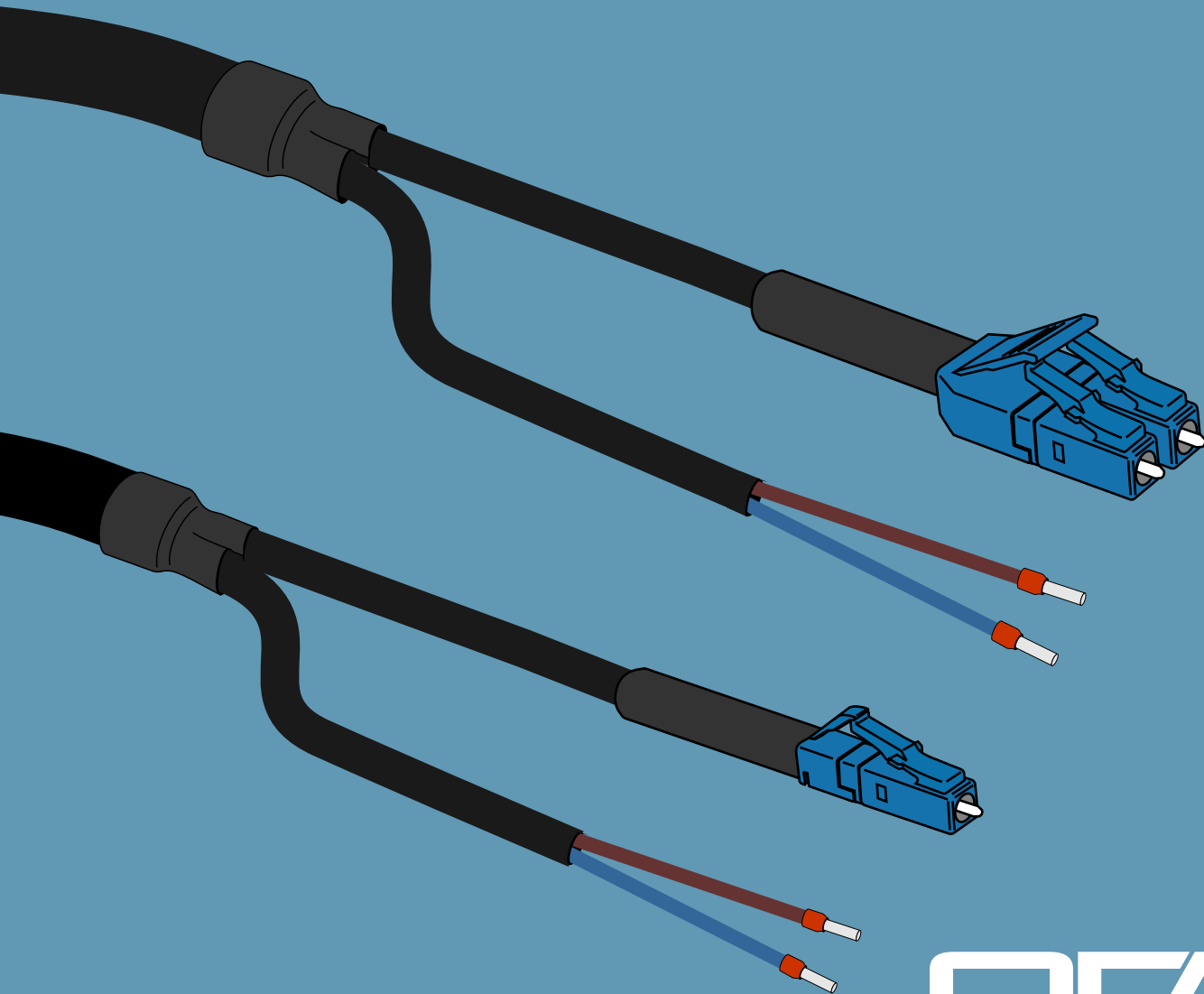# Customized FTTA hybrid optical patchcords including power wires
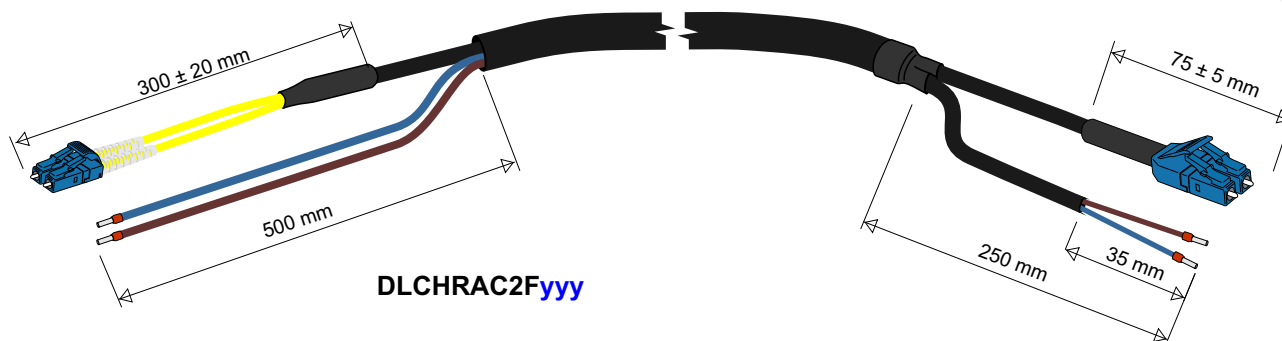
OFA
Optical Fibre Apparatus

Customized outdoor patchcords AccuDry, LC/PC

Customized outdoor patchcords with LC/PC connectors described in this datasheet, represents one of possible solutions of pre-connectorized hybrid cable - optical cable terminated with LC/PC connectors combined with power feeding copper wires in common sheath. Used „Phoenix Microwave Hybrid Cable LS0H" was designed as indoor/outdoor universal cable and have been developed in cooperation of companies OFA s.r.o. and Racom s.r.o. This solution has been propounded specially for microwave equipment RAy2 connection. Final cable contains universal optical indoor/outdoor AccuDry cable (2 fibers, 1 or 2 terminated) and two insulated Cu wires (stranded bare copper wire core, brown and blue insulation). On the antenna side is used heat shrinked splitting sealing element, and optical and electrical part is divided into two separated cables. Cu wires are protected by heat shrinked tube. The AccuDry cable is perfect for its properties as high tension load, toughness and universal jacket material (UV stability and LS0H). Thanks to this properties there is possible to lead the cable from outdor directly to indoor directly. The customized cables are delivered with preinstalled connectors LC/PC on one or two fibers. Copper wires are terminated by end-sleeves.
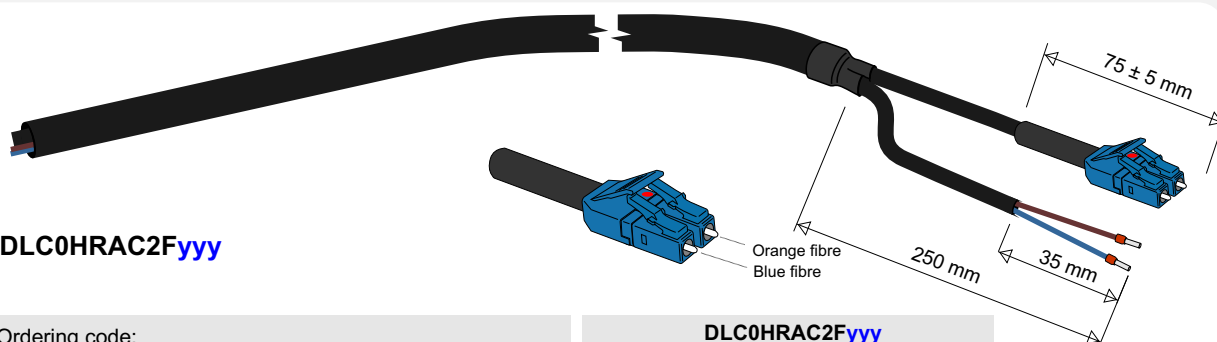
The cables could be connectorized from both sides for direct plug in or it could be delivered with connectors on one side only purposed to splicing on the other side. There is possible to deliver this product also by other types of connectors on request. The lenghts of cables are manufactured according to customer's request.

DLCHRAC2Fyyy

Ordering code:	DLCHRAC2Fyyy
Patchcord length [m]	yyy
A side termination	*B side termination*
2 pcs. of LC/PC connectors, duplex, duplex clip enclosed, not assembled	2 pcs. of LC/PC connectors, duplex, Uniboot
Protection fiber tube, diam. 1,8 mm, yellow	Transition part between cable and connector protected by heat shrink tube with glue.
Transition part between cable and yellow tubes protected by heat shrink tube with glue.	Heat shrink splitting element 1:2 with glue
2 pcs. copper wires (brown, blue) end sleeves terminated	2 pcs. copper wires (brown, blue) end sleeves terminated, between splitting element and antenna protected by heat shrink tube.

DLC0HRAC2Fyyy

Orange fibre
Blue fibre

Ordering code:	DLC0HRAC2Fyyy
Patchcord length [m]	yyy
A side termination	*B side termination*
No terminated	2 pcs. of LC/PC connectors, duplex, Uniboot
	Transition part between cable and connector protected by heat shrink tube with glue.
	Heat shrink splitting element 1:2 with glue
	2 pcs. copper wires (brown, blue) end sleeves terminated, between splitting element and antenna protected by heat shrink tube.

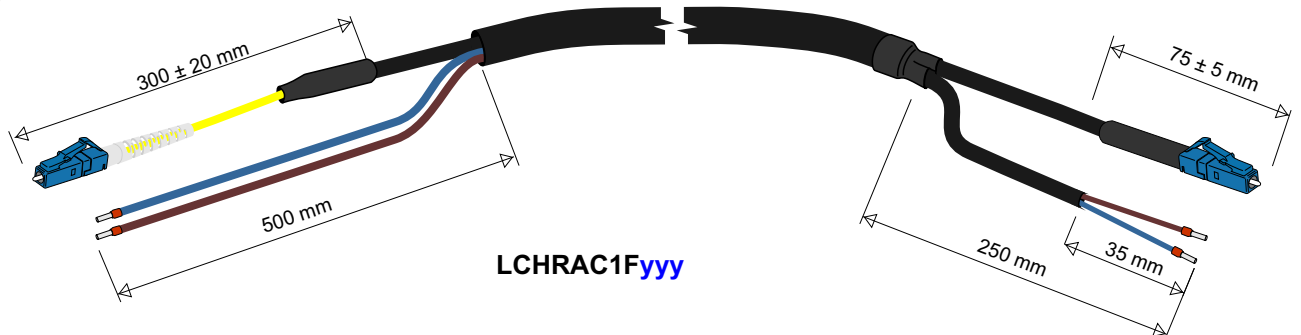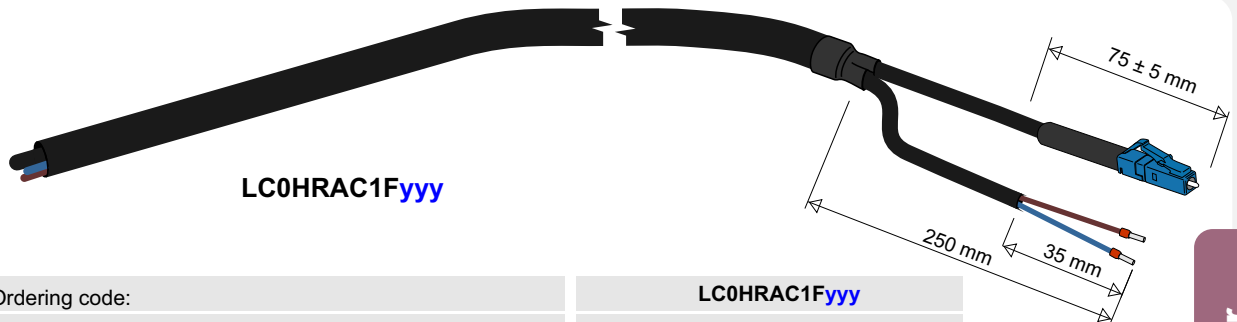Note: Red marked connector is assembled on the orange fiber

Distributor accessories

OFA s.r.o.
Sezemická 2872/10,
193 00 Praha 9 - Horní Počernice
Czech Republic

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For more information:
www.ofacom.cz

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Customized outdoor patchcords AccuDry, LC/PC

300 ± 20 mm

75 ± 5 mm

500 mm

250 mm   35 mm

LCHRAC1Fyyy

Ordering code:	**LCHRAC1Fyyy**
Patchcord length [m]	**yyy**
A side termination	*B side termination*
LC/PC connector, simplex, with collar	LC/PC connector, simplex, with collar
Protection fiber tube, diam. 1,8 mm, yellow	Transition part between cable and connector protected by heat shrink tube with glue.
Transition part between cable and yellow tubes protected by heat shrink tube with glue.	Heat shrink splitting element 1:2 with glue
2 pcs. copper wires (brown, blue) end sleeves terminated	2 pcs. copper wires (brown, blue) end sleeves terminated, between splitting element and antenna protected by heat shrink tube.

75 ± 5 mm

250 mm   35 mm

LC0HRAC1Fyyy

Ordering code:	**LC0HRAC1Fyyy**
Patchcord length [m]	**yyy**
A side termination	*B side termination*
	LC/PC connector, simplex, with collar
	Transition part between cable and connector protected by heat shrink tube with glue.
No terminated	Heat shrink splitting element 1:2 with glue
	2 pcs. copper wires (brown, blue) end sleeves terminated, between splitting element and antenna protected by heat shrink tube.

Note: Connector is assembled on the orange fiber

Distributor accessories

Technical specifications

Optical connectors		Outer cable sheath	
		Outer cable diameter	**9.5 ± 0,5 mm**
Insertion loss **IL**	≤ 0,3 dB	**Copper conductors**	
Return loss **RL**	≥ 50 dB	Conductor cross-sectional area	**1.5 mm^2**

Ordering contacts

e-mail: info@ofacom.cz

phone: +420 212 249 730

Invoicing address:	OFA s.r.o. Jičínská 1616/29 130 00 Praha 3 Czech Republic	Shipping address:	OFA s.r.o. Sezemická 2872/10 193 00 Praha 9 Czech Republic

OFA s.r.o.
Sezemická 2872/10,
193 00 Praha 9 - Horní Počernice
Czech Republic

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