

Splitter fan-out cable

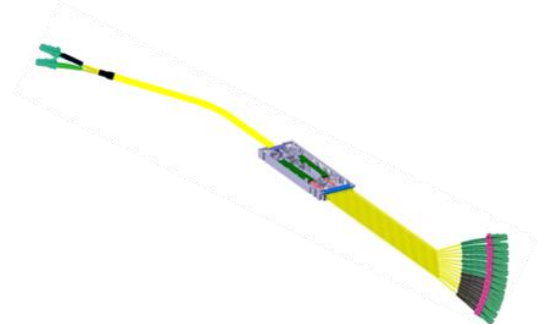
SF02DSS-DR0xxxF-5450KA-5280KA

Description

Dual PLC 1:16 splitter with 2 splice inputs and 32 single output ports

Features

- Small case plastic enclosure
- 2x integrated PLC splitter with ratio 1:16
- 2x fiber cable LC/APC simplex inputs in Figure0 duplex cable
- Broad range of input cable lengths
- 2x integrated Splice holder for input cable splicing
- 32x fiber cable LC/APC simplex output Strain relief for all input and output cables
- Robust indoor solution design



Technical data

Splitter enclosure

Description	Value
Dimension (Length x Width x Height) (mm)	105 x 35 x 8 mm
Cable diameter entry/exits	1.4 mm
Strain relief force	50N

PLC splitter optical performance (bare splitter without connectors)

Description	Value
Splitter ratio	1:16
Fiber type (input/output)	G.657 A2, single mode 9/125
Operating wavelength	1260 – 1650 nm
Uniformity	≤ 1.2 dB
PDL	≤ 0.3 dB
Directivity	≥ 55.0 dB

Assembly

Description	Value
Insertion loss of assembly	≤ 15.5 dB
Input cable diameter	2.0 mm
Input cable length	4.5m simplex + x m duplex with protective jacket (figure 0) x:= 6, 9, 12, 15, ... 60
Output cable diameter	1.4 mm
Output fanout cable length	2.8m ± 0.1m
Fiber type (input/output)	G.657 A2, single mode 9/125
Connector at cable end	LC/APC simplex
Connector Insertion loss	< 0.5 dB
Connector return loss	≥ 65.0 dB

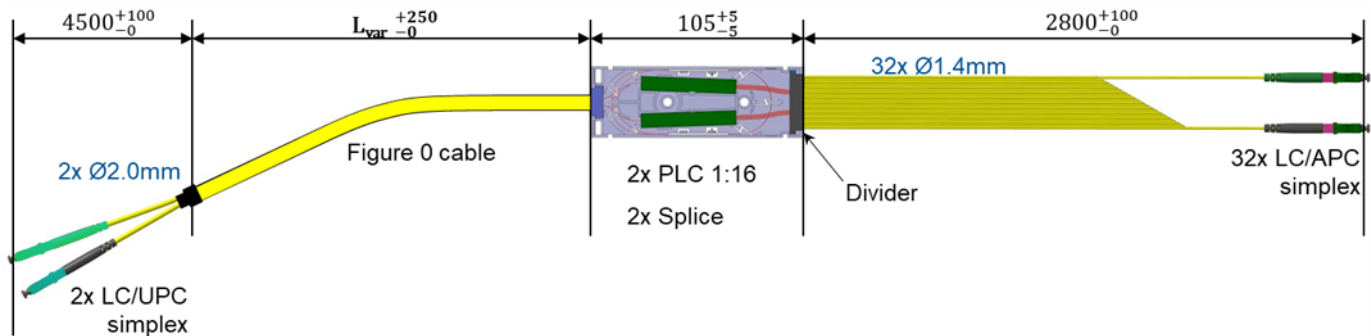
Environmental data of Solution

Characteristics	Value
Operational temperature (min to max) (°C)	-10 to +60
CPR rating	Dca-s1a, d0, a1
Free of halogen	Yes
RoHS compliant	Yes
REACH compliant	Yes

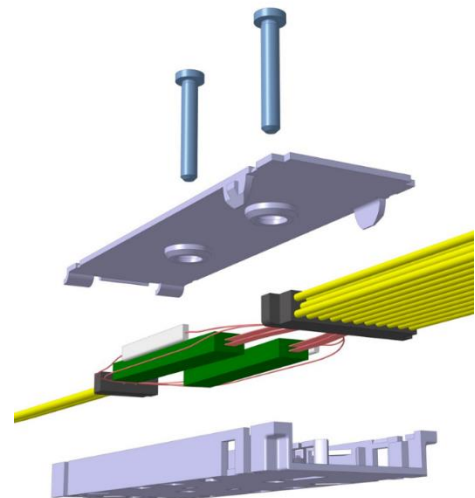
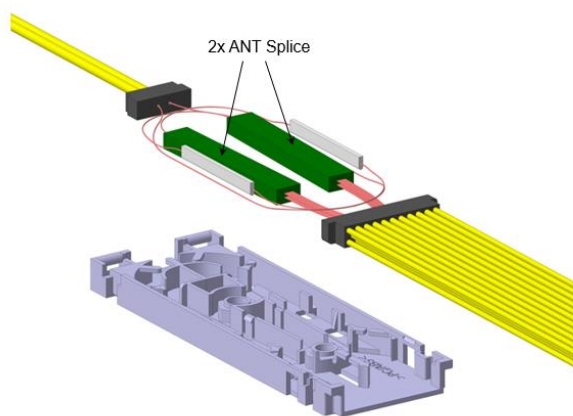
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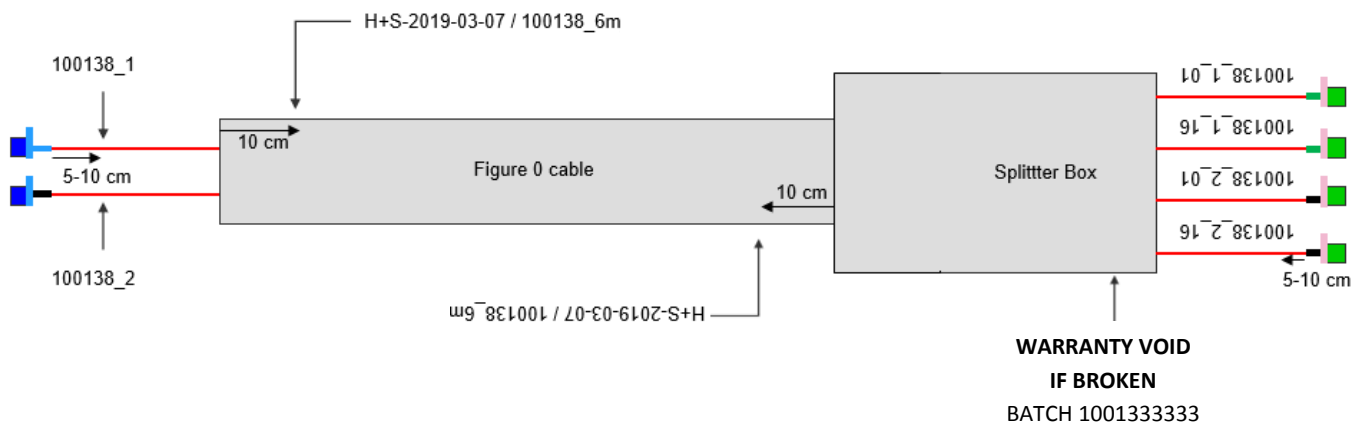
Schematics



L_{var} [in meters] := 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60



Labeling



Information:

- Ramp-up: For the ramp-up the products will be supplied with roll-labels according the above drawing.
- Serial-Production: For serial production the labels will be directly printed on the cable according the above drawing.
- Express-Production: Roll labels will be added to cover up the printed labels.

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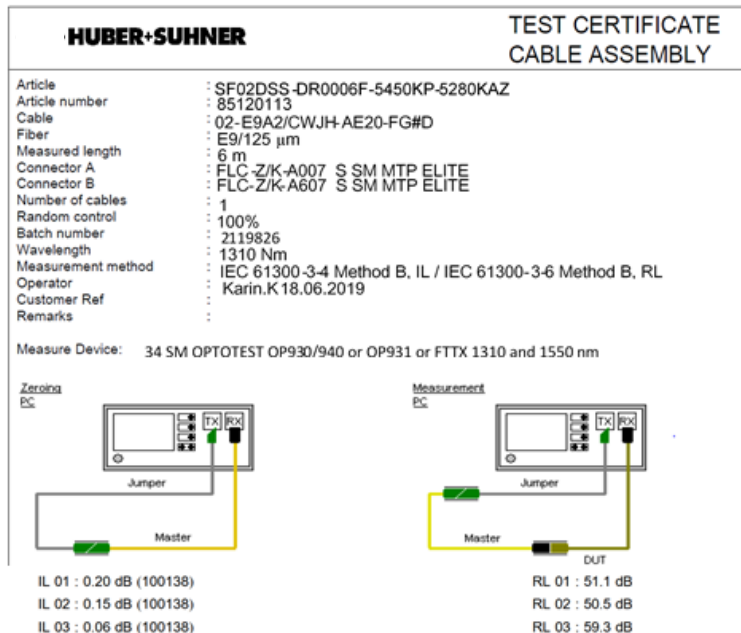
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Measurement

Information Serial-Production:

Each Splitter fan-out product will have one measurement report.

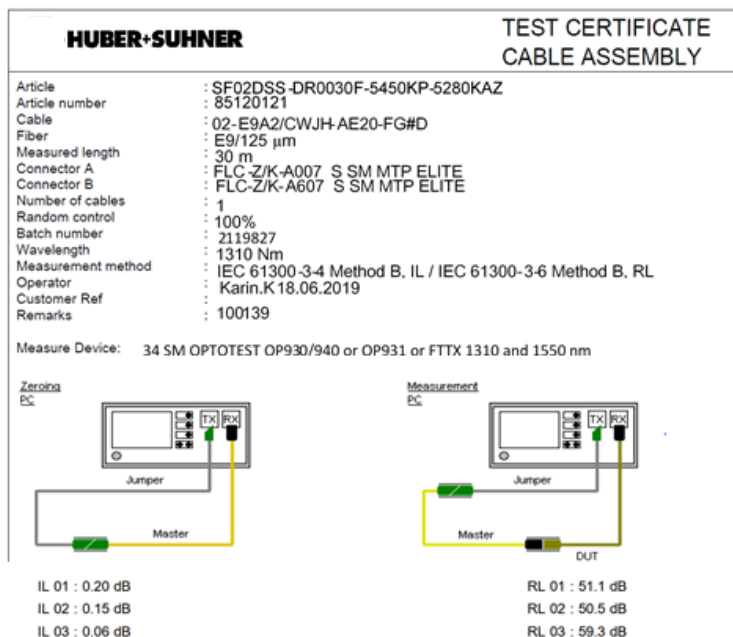
IL/ RL measurement acc. IEC method C, IL measuring of the whole product, RL measuring side LC UPC



Information Express-Production:

After the express production some items will have a new measurement report according to the new termination of the LC UPC side.

- New article number
- New article description
- New length (after reworking)
- New batch number
- New date of production
- Serial number will stay the same



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Packaging

Fan-out side A (4.5m)



Fan-out side B (2.8m)



Order information

Description	Item number	Customer number
SF02DSS-DR0005F-5450KA-5280KA	85156576	
SF02DSS-DR0010F-5450KA-5280KA	85156575	
SF02DSS-DR0015F-5450KA-5280KA	85156574	
SF02DSS-DR0020F-5450KA-5280KA	85156573	
SF02DSS-DR0025F-5450KA-5280KA	85156572	

***Express orders will be re-terminated form H+S express shop.**