

Projektdokumentation | CABLE-FF0025

Projektbezeichnung beim Auftraggeber:

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Projektbezeichnung beim Auftragnehmer:

...

Projekttitlel:

Sensor UMRRDSP-96xxxx Connection

Stichwort(e):

Datum:

7. Oktober 2019

Dokument:

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2 CABLE-FF0025

2.1 Label

Active Plattform	Active Hardware	Active Modification	Active Revision
CABLE	FF	00	25

2.2 Designated use

This cable connects UMRR-96 sensors to Power, 2 times CAN and 2-wire automotive Ethernet (BroadR Reach).

2.3 Sensor connector + 2xCAN + Power + BroadR Reach



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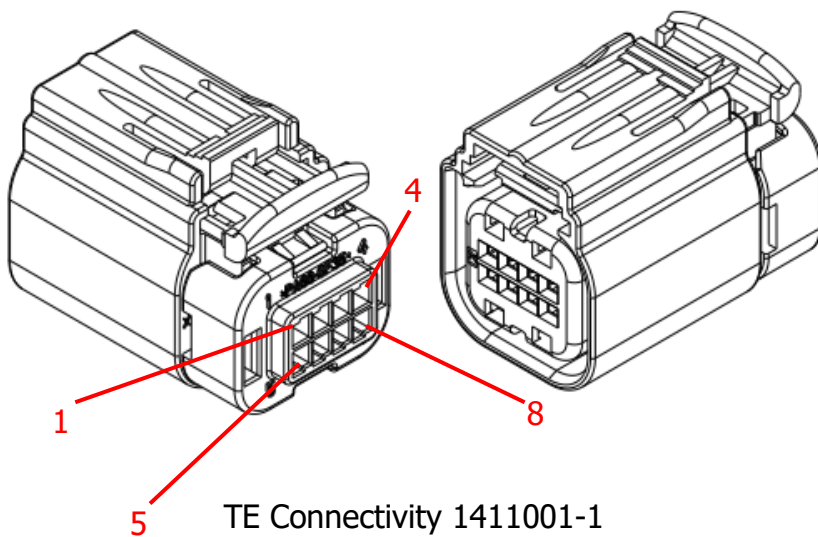
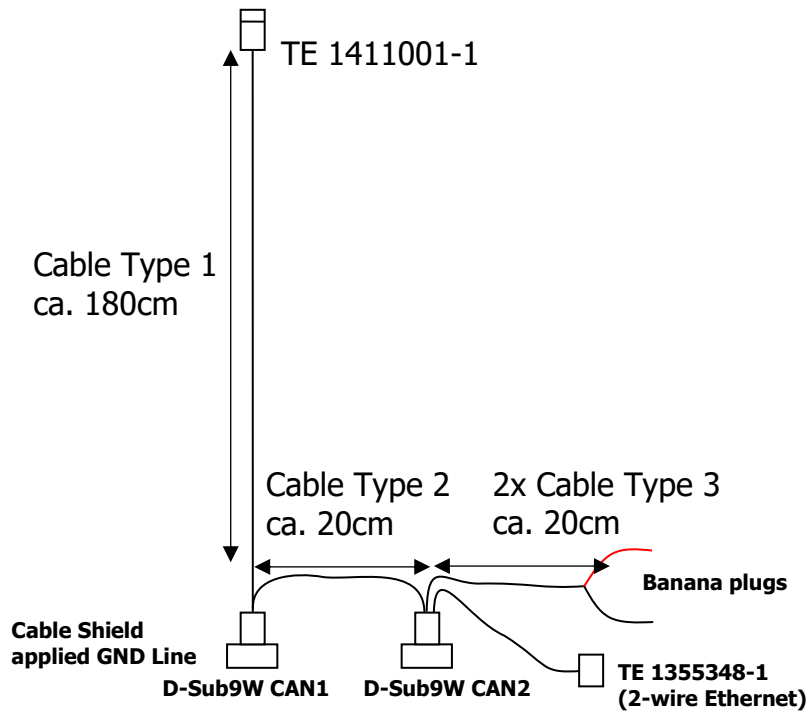
2.4 Layout

Shield and all grounds connected on/before Pin 3 CAN1

TE 1411001-1	Pair	Label	DSUB-9- w CAN1	DSUB-9- w CAN2	Banana plug	TE 1355348-1
1	1	GND	3	3	Black	
2	2	BR ETH_P				9
3	3	CAN2_H		7		
4	3	CAN2_L		2		
5	1	V+			Red	
6	2	BR ETH_N				8
7	4	CAN1_H	7			
8	4	CAN1_L	2			
	-	SHIELD	3			

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2.5 Technical data

2.5.1 Cable Type 1

Cable type	4-pair Twisted Pair, copper strands, Common shield
supplier	not defined, example Product: Farnell 1491457
Wire Area:	0,50mm ² - 0,75mm ²
Diameter insulation	1,4mm – 2,06mm
Cable length	ca. 180 cm

2.5.2 Cable Type 2

Cable type	6-line non-twisted or Twisted pair.
supplier	not defined, example Product: RS Online 608-3966
Wire Area:	0,25mm ² -0,75mm ²
Diameter insulation	not defined
Cable length	ca. 20 cm

2.5.3 Cable Type 3

Cable type	2-line
supplier	not defined, example Product: RS Online 491-825
Wire Area:	0,5mm ² -0,75mm ²
Diameter insulation	not defined
Cable length	ca. 20 cm

2.5.4 Connector

Type D-Sub	D-Sub 9 fem. (CAN)
Body D-Sub	FKH1 from FCT
TE 1438031-1	TE Connectivity 1438031-1 (see Connector Assembly #1)
TE 1355348-1	TE Connectivity 1355348-1 (see Connector Assembly #2)

2.5.5 Cable length

TE to D-Sub9 CAN1	ca. 180 cm
D-Sub9 CAN1 to D-Sub9 CAN2	ca. 20 cm
D-Sub9 CAN1 to Banana	ca. 20 cm
Total length	ca. 220 cm

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