Application

Maehler&Kaege Adapter 15to2x7pin are used to connect tractor (truck) and trailer or semi-trailer when the truck has got a VBG 14-pole connecting system and the trailer the 24N/24S system acc.ISO1185/ISO 3731.

Maehler&Kaege Adapter are fitted additionally with anti kink sleeves. PVC core insulation and PUR sheath material meet the high quality demands of the well-known spirals of Maehler&Kaege. This assures the very high number of cycles in the flexural fatigue test and high reset forces which all truck manufacturers demand.
All spirals are in accordance to ISO 4141 and 6722.

Spiral cable

Cable PVC/PUR black 6x1,5+1x2,5mm²

VBG Connector

Connector 24N acc. ISO 1185 overmolded, black

Connector 24S acc. ISO 3731 overmolded, yellow

40 +10 -10

40 +10 -10

270 +25 -25   530 +50 -50   270 +25 -25

Assignment:

24 N	core	VBG		24 S	core	VBG
1	2,5 mm² white	1		1	2.5 mm² white	1
2	1,5 mm² black	5		2	1,5 mm² black	8 B
3	1,5 mm² yellow	2		3	1,5 mm² yellow	7 A
4	1,5 mm² red	4		4	1,5 mm² red	12
5	1,5 mm² green	3		5	1,5 mm² green	9
6	1,5 mm² brown	6		6	1,5 mm² brown	10
7	1,5 mm² blue	8 A		7	1,5 mm² blue	7 B
-	NC	11		-	NC	11

Working length:	2.250 mm
Max. extension length:	4.000 mm
Technical requirements	acc. ISO 4141
Tightness	IP67 and IP69K acc. DIN 40050

Technical Data (cable)

Conductor	acc. ISO 6722
Make-up	acc. ISO 6722 and ISO 4141
Core insulation	PVC
Core printing	colored acc. ISO 4141
Outer sheath	Polyurethane
Outer diameter	10,5 +/- 0,4 mm
Peak working voltage	50 V
Test voltage	1000 V
Temperature range	-40℃ up to +85℃
Testing's	acc. ISO 6722 and ISO 4141
Color	black, RAL 9005

VBG GROUP

Modified Date 2013-03-27	KP	Modified by
	PU-number 11805	Issue b
3D-Model No. 28-043700		Checked by	Engineer	Signed by

GENERAL TOLERANCE	MATERIAL			
		Sheet Size A3	Scale 1:1	Projection
		Drafting Date 2009-11-24	Drafted by SN	

Machined surfaces	Quality	Foreign Drawing No.
Unmachined surfaces	Type	Description Name
Surface texture	Blank	Spiral cable 14 pole
Mass kg	Surface treatment	Spiralkabel 14 polig
Usable for		Stage P	Drawing No. 28-043700

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Remark   Id. No.