

CC-compensating cable-800

补偿导线，用于热电偶连接

ConCab kabel gmbh



应用领域

CC- 补偿电缆 -800 用于连接测温指示仪器和测量点之间的线路，准确无误地通过热电偶传导温度。该补偿电缆 (AGL) 由一对导体组成，在 0° C 至 +200° C 温度范围内，导体产生的热张力相同。

application

The CC-compensating cable-800 is used to transfer temperature measurement with thermo elements in order to connect the route segment between the temperature indicator and the measuring point without any measuring mistake. The compensating cable (AGL) consists of a pair of conductors that produce the same thermal tension within the temperature range of 0° C to +200° C as the thermal pair.

构造

热电偶导体或者替代材料、芯线、护套绝缘和屏蔽等，请见下表。4 芯带成对编码。补偿导线的材料类型：铁 / 铜镍，镍铬 / 镍，铂铑 / 铂，镍铬 / 铜镍，铂铑 / 铂铑。

construction

Conductor of thermo element conductors or alternative materials, core and sheath insulation, shielding, etc. see parts table, 4 cores with paired numbering. Type of elements: iron/constantan, nickel-chrome/nickel, platinum-rhodium/platinum, nickel-chrome/constantan, platinum-rhodium/platinum-rhodium.

技术数据 / technical data

导体绞合方式 / conductor stranding:

0,28mm ²	=	7 x 0,20 mm Ø
0,50mm ²	=	16 x 0,20 mm Ø 或者 /or 1 x 0,80 mm Ø
0,75mm ²	=	24 x 0,20 mm Ø
1,50mm ²	=	48 x 0,20 mm Ø 或者 /or 1 x 1,38 mm Ø

绝缘阻抗 / insulation resistance:

温度范围 / temperature range:

Y	固定安装 / fixed installation:	-20° C 至 /to +80° C
Y	移动 / flexible application:	-5° C 至 /to +70° C
Yw	固定安装 / fixed installation:	-10° C 至 /to +105° C
Yw	移动 / flexible application:	+5° C 至 /to +90° C
2G	固定安装 / fixed installation:	-20° C 至 /to +200° C
2G	移动 / flexible application:	-20° C 至 /to +180° C

弯曲半径 / bending radius:

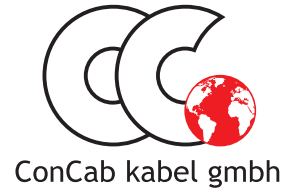
单独对绞线 / single pair	7,5 x d 外径 -Ø / outer-Ø
绞合导体 / stranded conductor	15 x d 外径 -Ø / outer-Ø
金属编织 / metal braiding	20 x d 外径 -Ø / outer-Ø

符合标准 / approvals:

DIN 43710 至 /to 43714 (老 /old), DIN 43722, DIN IEC 584
DIN 43713, ANSI MC 961, BS 4937, NF C 42-324

热电偶 / thermo pair		颜色标识 / colour identification							
+ 电极 / +pole	- 电极 / -pole	DIN 43710 (alt/old)				DIN IEC 584			
		CC- 编号 . / no.	ID 字母 / ID-Letter	+ 电极 / +pole 护套 / sheath	- 电极 / -pole 护套 / sheath	CC- 编号 . / no.	ID 字母 / ID-Letter	+ 电极 / +pole 护套 / sheath	- 电极 / -pole
Fe	CuNi	1	L	红 /rd	蓝 /bu	4	J	蓝 /bl	白 /wh
NiCr	Ni	2	-	红 /rd	绿 /gn	5	K	绿 /gn	白 /wh
PtRh	Pt	3	-	红 /rd	白 /wh	6	R/S	橙 /or	白 /wh
NiCr	CuNi					7	EX	紫 /vt	白 /wh
Pt30Rh	Pt6Rh					9	BC	灰 /gy	白 /wh

CC-compensating cable-800 for connection of thermo elements



robust cables
Schleppflex®
BUS cables
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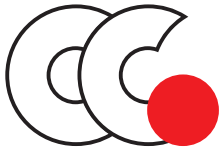
物料编码 / part-no.	类型 / type	热电偶 / thermo pairs	芯线绝缘 / core insulation	屏蔽 和外护套 / shield and outer sheath	外径 outer-Ø d mm	电缆重量 weight kg/km
一对补偿电缆 / single pair compensating cables						
800 0 15 01 0 .	AGL-2 x (LIY 1,5)	1	Y (PVC)	TP	5,5	40
800 0 15 01 1 .	AGL-2 x (LI2G 1,5)	1	2G (SI)	TP	5,5	40
800 0 02 01 2 .	AGL-LIYY 2 x 0,22	1	Y (PVC)	PVC (rd)	3,8	21
800 0 05 01 2 .	AGL-LIYY 2 x 0,5	1	Y (PVC)	PVC (rd)	5,5	44
800 0 07 01 2 .	AGL-LIYY 2 x 0,75	1	Y (PVC)	PVC (rd)	6,1	54
800 0 15 01 2 .	AGL-LIYY 2 x 1,5	1	Y (PVC)	PVC (rd)	7,1	76
800 0 02 01 3 .	AGL-LI2G2G 2 x 0,22	1	2G (SI)	硅 / silicone (rd)	4,0	23
800 0 05 01 3 .	AGL-LI2G2G 2 x 0,5	1	2G (SI)	硅 / silicone (rd)	5,6	42
800 0 07 01 3 .	AGL-LI2G2G 2 x 0,75	1	2G (SI)	硅 / silicone (rd)	6,2	53
800 0 15 01 3 .	AGL-LI2G2G 2 x 1,5	1	2G (SI)	硅 / silicone (rd)	7,1	75
800 0 02 01 4 .	AGL-LIYCY 2 x 0,22	1	Y (PVC)	Cvz, PVC	5,0	32
800 0 15 01 4 .	AGL-LIYCY 2 x 1,5	1	Y (PVC)	Cvz, PVC (rd)	8,0	92
800 0 02 01 5 .	AGL-LI2GC2G 2 x 0,22	1	2G (SI)	Cvz, 硅 / silicone	5,9	50
800 0 15 01 5 .	AGL-LI2GC2G 2 x 1,5	1	2G (SI)	Cvz, 硅 / silicone (rd)	8,3	117
800 0 02 01 6 .	AGL-LI2G2G-GL 2 x 0,22	1	2G (SI)	SI, GL (rd)	4,6	24
800 0 15 01 7 .	AGL-LI2G-GL 2 x 1,5	1	2G (SI)	GL (ov)	3,3 x 6,0	58
800 0 15 01 8 .	AGL-LI2G2G 2 x 1,5	1	2G (SI)	硅 / silicone (ov)	4,3 x 7,0	60
800 0 15 01 9 .	AGL-LI2G2GS 2 x 1,5	1	2G (SI)	SI, S, (ov)	5,2 x 8,0	88
800 0 15 01 A .	AGL-LI2G(St)2G 2 x 1,5	1	2G (SI)	(St), 硅 / silicone (rd)	8,0	85
800 0 15 01 B .	AGL-LIY(St)Y 2 x 1,5	1	Y (PVC)	(St), PVC (rd)	8,0	86
800 0 15 01 C .	AGL-LIYY 2 x 1,5	1	Y (PVC)	PVC (ov)	4,3 x 7,0	61
800 0 15 01 D .	AGL-LIYYSY 2 x 1,5	1	Y (PVC)	PVC, S, (rd)	9,8	148
800 0 15 01 E .	AGL-LI2G-GLS 2 x 1,5	1	2G (SI)	GL, S, (ov)	4,1 x 6,8	75
800 0 02 01 F .	AGL-LI6Y2G 2 x 0,22	1	6Y(FEP)	硅 / silicone	4,5	20
800 0 07 01 G .	AGL-LI6Y(St)6Y 2 x 0,75	1	6Y(FEP)	FEP	4,2	42
800 0 15 01 H .	AGL-LI6GL-GL 2 x 1,5	1	玻璃纤维	GL	3,5	70

根据要求我们也可以提供特殊定制的符合其他国家标准的补偿电缆。需要考虑最小起订量。

On request we also provide compensating cables following the well-known foreign norms. Minimum order quantities have to be taken into account.

缩写说明 / explanations:	
Y / PVC	聚氯乙烯
2G / SI	硅 / silicone
6Y / FEP	Perfluorethylenpropylen
TP	对绞 / twisted pair
(rd)	圆 / round
(ov)	椭圆 / oval
Cvz	镀锡铜屏蔽 / tinned Cu-shield
GL	玻璃纤维编织 / glass fibre braiding
S	镀锌钢丝网编织 / galvanized steel wire braiding
(St)	铝涂层铝箔 / laminated foil

物料编码 / part no.:	800 -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
导体绞合方式 / conductor stranding							
绞合 / stranded	0						
实心 / solid	1						
导体截面积 / cross-section							
0,22mm ²	0 2						
0,50mm ² (0,8mm Ø)	0 5						
0,75mm ²	0 7						
1,50mm ² (1,38mm Ø)	1 5						
对数 / no. of pairs		x x					
电缆类型 / cable type		x					
色标 / colour code (CC-编号 /no. 参考页码 / page 342 页)		x					



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物料编码 / part-no.	类型 / type	热电偶 / thermo pairs	芯线绝缘 / core insulation	屏蔽和外护套 / shield and outer sheath	外径 outer-Ø d mm	电缆重量 weight kg/km
非屏蔽多对补偿电缆 / non-shielded multi-pair compensating cables						
800 0 15 02 2 .	AGL-LIYY 4 x 1,5	2	Y (PVC)	PVC	8,0	118
800 0 15 03 2 .	AGL-LIYY 6 x 1,5	3	Y (PVC)	PVC	10,0	178
800 0 15 04 2 .	AGL-LIYY 8 x 1,5	4	Y (PVC)	PVC	11,4	239
800 0 15 05 2 .	AGL-LIYY 10 x 1,5	5	Y (PVC)	PVC	12,9	285
800 0 15 06 2 .	AGL-LIYY 12 x 1,5	6	Y (PVC)	PVC	13,4	312
800 0 15 08 2 .	AGL-LIYY 16 x 1,5	8	Y (PVC)	PVC	15,2	423
800 0 15 10 2 .	AGL-LIYY 20 x 1,5	10	Y (PVC)	PVC	16,5	510
800 0 15 12 2 .	AGL-LIYY 24 x 1,5	12	Y (PVC)	PVC	19,2	575
800 0 15 16 2 .	AGL-LIYY 32 x 1,5	16	Y (PVC)	PVC	21,0	778
800 0 15 20 2 .	AGL-LIYY 40 x 1,5	20	Y (PVC)	PVC	24,2	1.080
屏蔽多对补偿电缆 / shielded multi-pair compensating cables						
800 0 15 02 D .	AGL-LIYYSY 4 x 1,5	2	Y (PVC)	PVC, S, PVC (rd)	11,0	200
800 0 15 03 D .	AGL-LIYYSY 6 x 1,5	3	Y (PVC)	PVC, S, PVC (rd)	13,5	295
800 0 15 04 D .	AGL-LIYYSY 8 x 1,5	4	Y (PVC)	PVC, S, PVC (rd)	14,1	405
800 0 15 06 D .	AGL-LIYYSY 12 x 1,5	6	Y (PVC)	PVC, S, PVC (rd)	17,5	505
800 0 15 08 D .	AGL-LIYYSY 16 x 1,5	8	Y (PVC)	PVC, S, PVC (rd)	19,0	600
800 0 15 12 D .	AGL-LIYYSY 24 x 1,5	12	Y (PVC)	PVC, S, PVC (rd)	24,0	900
800 0 15 16 D .	AGL-LIYYSY 32 x 1,5	16	Y (PVC)	PVC, S, PVC (rd)	26,2	1.190
800 0 15 20 D .	AGL-LIYYSY 40 x 1,5	20	Y (PVC)	PVC, S, PVC (rd)	29,0	1.405

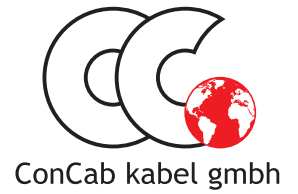
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说明 / explanations:	
Y / PVC	聚氯乙烯 Polyvinylchlorid
2G / SI	硅 / silicone
6Y / FEP	Perfluorethylenpropylen
TP	对绞线 / twisted pair
(rd)	圆 / round
(ov)	椭圆 / oval
Cvz	镀锡铜屏蔽 / tinned Cu-shield
GL	玻璃纤维编织 / glass fibre braiding
S	镀锌钢丝网编织 / galvanized steel wire braiding
(St)	铝涂层铝箔 / aluminum laminated foil

物料编码 / part no.:	800 -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
导体绞合方式 / conductor stranding	多股绞合 / stranded	0					
	实心 / solid	1					
导体截面积 / cross-section	0,22mm ²	0 2					
	0,50mm ² (0,8mm Ø)	0 5					
	0,75mm ²	0 7					
	1,50mm ² (1,38mm Ø)	1 5					
线对数 / no. of pairs	x x						
电缆类型 / cable type	x						
色标 / colour code (CC-编号 / no. 页码 / page 342 页)	x						

色标 : / colour Code for:
 热电偶延长线 (延) + 补偿电缆 (补) /
 thermocouple extension (Ext.) + compensating cables (Comp)



		欧洲 / Europe			德国 / Germany			USA			英国 / UK			法国 / France					
		DIN IEC 584 ¹⁾ DIN 43722,			DIN EN 60584 DIN 43714 draft 7/90			DIN 43710 ²⁾ DIN 73714			ANSI MC 96.1			BS 4937			NF C 42-324		
代码 字母 ID- Letter	材料组合 material combination + (plus) - (minus)	延 Ext.	色标 colour code	补 Comp.	延 Ext.	色标 colour code	补 Comp.	延 Ext.	色标 colour code	补 Comp.	延 Ext.	色标 colour code	补 Comp.	延 Ext.	色标 colour code	补 Comp.			
T	Cu CuNi	TX +100 °C -25 °C						TX +100 °C 0 °C			TX +100 °C 0 °C			TX +200 °C -25 °C		TC +100 °C -25 °C			
U	Cu CuNi				UX +200 °C 0 °C														
J	Fe CuNi	JX +200 °C -25 °C						JX +200 °C 0 °C			JX +200 °C 0 °C			JX +200 °C -25 °C		JC +250 °C -25 °C			
L	Fe CuNi				LX +200 °C 0 °C														
E	NiCr CuNi	EX +200 °C -25 °C						EX +200 °C 0 °C			EX +200 °C 0 °C			EX +200 °C -25 °C		EC +250 °C -25 °C			
K	NiCr Ni	KX +200 °C -25 °C			KX +200 °C -25 °C			KX +200 °C 0 °C			KX +200 °C 0 °C			KX +200 °C -25 °C		KC +200 °C -25 °C			
	Fe CuNi			KCA ⁴⁾ +150 °C 0 °C			⁵⁾ +200 °C 0 °C									WC +150 °C 0 °C			
	Cu CuNi			KCB +100 °C 0 °C								VX +100 °C 0 °C				VC +100 °C 0 °C			
N	NiCrSi NiSi	NX +200 °C -25 °C		NC +150 °C 0 °C															
R	Pt13Rh Pt	A +100 °C 0 °C		SCA/ RCA ⁴⁾			⁶⁾ +200 °C 0 °C												
S	Pt10Rh Pt	B +200 °C 0 °C		SCB/ RCB ⁴⁾			⁶⁾ +200 °C 0 °C		SX +200 °C 0 °C			SX +200 °C 0 °C		SX +200 °C 0 °C		SC +200 °C -0 °C			
B	Pt30Rh Pt6Rh	³⁾		BC +100 °C 0 °C					BX +100 °C 0 °C							BC +100 °C 0 °C			

说明 / explanations:	
1)	DIN IEC 584 issue 92
2)	标准取消 / standard cancelled
3)	按照 / in accordance to : DIN 43710/85
4)	SoNiCr 将被替换标准依据 / will be replaced according to : DIN 43713 draft 8/91 DIN IEC 584
5)	SoNiCr - SoNi
6)	SoPtRh - SoPt
延 / EXT	热电偶延长线 / thermocouple extension
补 / comp.	补偿电缆 / compensating cable

robust cables
 Schleppflex®
 BUS cables
 control cables
 data cables
 IT/communic.
 high-temp.
 lift cables
 rubber cables
 single cores
 spiral cables
 accessories
 technical annex