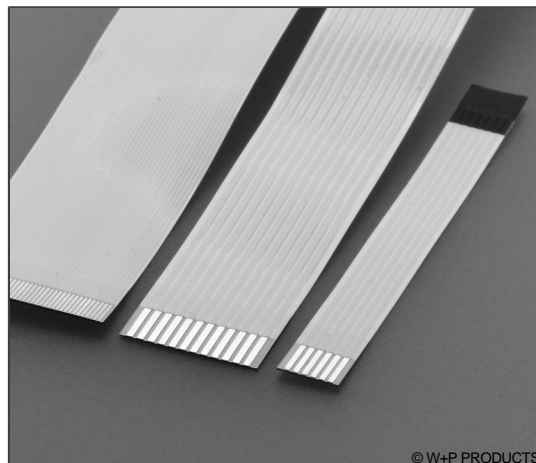
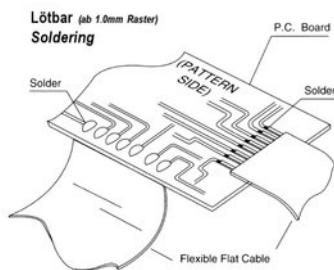
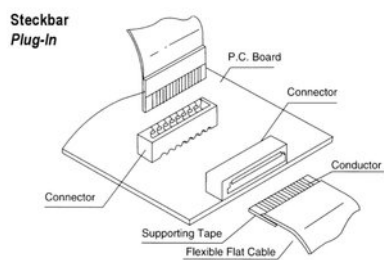


### Verbindungsmöglichkeiten / Connection



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### Technische Daten

#### Technical Specifications

UL Style	UL2896 Standard	UL20624 Optional	UL20861 HT - Hi-Temp
Temperaturbereich* / Temperature Range*	-30°C ~ +80°C		-30°C ~ +105°C
Nennspannung / Voltage Rating	30 V AC	60 V AC	60 V AC
Leitermaterial / Conductor Material	Kupfer, verzinnt / Copper, tin plated		
Isolationsfolie / Insulation Foil	PET 2x45um	PET 2x60um	PET 2x60um
Verstärkungsfolie / Stiffener	125 / 250um		
Isolationswiderstand / Insulation Resistance	100 MOhm min.		
Spannungsfestigkeit / Test Voltage	500 V DC		

\* Die Betriebstemperaturen gelten nur für flach liegende FFC. Für gefaltete oder mit engen Radien versehene FFC gilt ein um mind. 30°C reduzierter oberer Temperaturbereich.

Above operating temperatures apply only to plain FFC's. For folded or narrowly bended FFC's, a reduced upper temperature range applies which is min. 30°C lower.

### Rastermaße und Leiterbahnen

#### Pitch and Conductor Options

Raster [mm] / Option Pitch		Anzahl der Leiter No. of Conductors	Leiterdicke [mm] / Option Thickness		Leiterbreite [mm] / Option Width		Widerstand [Ohm/m] Resistance	Nennstrom [A] Current Rating
0,50	1		006 - 170	0,035	3	0,32		
		0,050		2	1,28		0,2	
1,00	3	004 - 100	0,035	3	0,65	3	0,96	0,3
			0,050	2			0,63	0,5
			0,100	1			0,33	0,9
1,25	4	003 - 080	0,050	2	0,8	4	0,52	0,5
			0,100	1			0,26	1,0
1,27	5	003 - 077	0,050	2	0,8	4	0,52	0,5
			0,100	1			0,26	1,0
2,00	6	003 - 038	0,100	1	1,27	5	0,1	2,0
2,54	7							

### Standard Anschlussarten / Standard Cable Type (Freigelegte Enden nur ab Raster 1.0mm möglich)



Freiliegende Leiterbahnenenden der Ausführungen A und E sind nur ab Rastermaß 1mm und bis max. 3mm freiliegende Aderlänge (S1, S2) lieferbar.

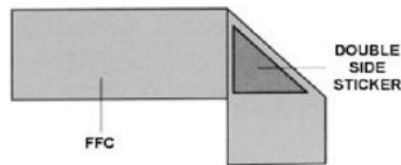
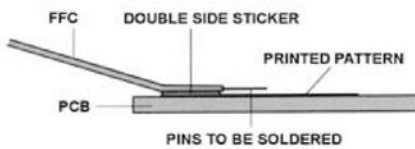
Free solder ends of cable types A and E are available for min. 1mm pitch and limited up to max. 3mm unstripped leads (S1, S2).

### Sonderausführungen / Special Cable Type (Freigelegte Enden nur ab Raster 1.0mm möglich)



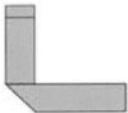
## FFC - Zusatzoptionen / Post Process

### Doppelseitiges Klebeband / Affixing Double Side Sticker

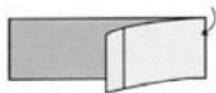


### Falten und Biegen / Folding and Bending to an angle

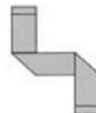
#### 90° FOLDING



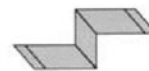
#### 180° FOLDING



#### CRANK FOLDING

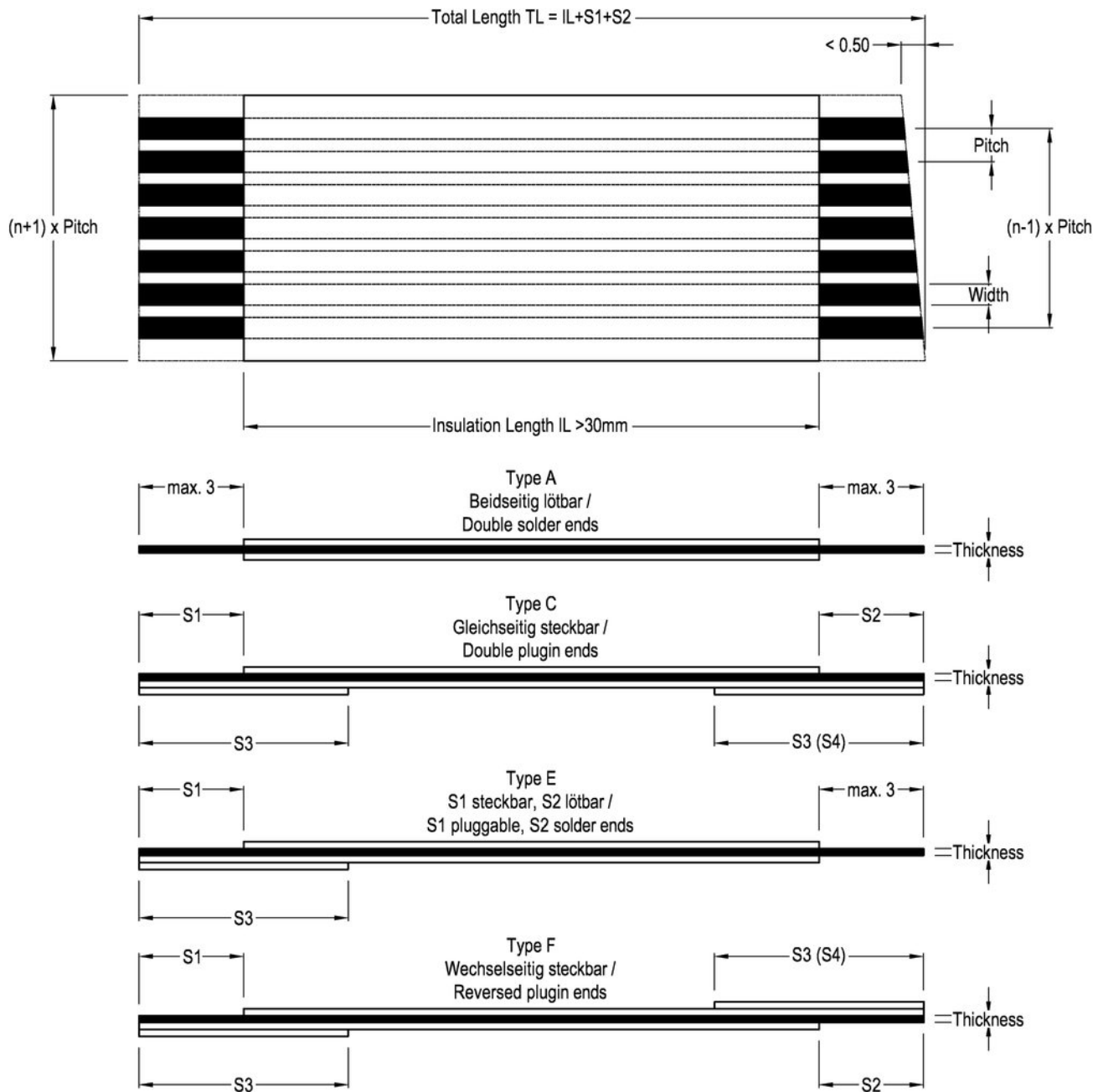


#### Z-BENDING



## Test Characteristics

Test Item	Result	Test Methode
Aging	Left unattended for 96 hours	at 85°C / 110°C
Flammability	VW-1	UL
Temperatur cycling	-40°C > +25°C > +85°C > +25°C (5 cycles)	
Humidity	Left unattended for 96 hours	at 40°C and 95% rel. Humidity
Flexibility / Rolling	50,000-100,000 cycles for 0.1mm conductor 3-4 Mio. cycles for 0.05mm conductor 8-10 Mio. cycles for 0.035mm conductor	10mm radius, 10cm/cycle, 120 cycles/min.
Abrasion	No exposure of conductor	5mm c, 600g, 60 cycles/min., more than 10,000 cycles



### Steckbare Enden / Pluggable Ends

Thickness 0.30mm

### Toleranzen / Tolerances

TL IL ±2.0 (30 ~ 300) / ±5.0 (> 300) S1 S2 ±1.0 S3 S4 ±2.0 Pitch ± 0.1 Thickness ± 0.01 Width ± 0.05

Series	Pitch*	Conductors*	Insulation Length*	Type*	S1/S2/S3/(S4)*	Thickness*	Width*
<b>599</b>	<b>5</b>	<b>40</b>	<b>120</b>	<b>C</b>	<b>5/5/10</b>	<b>1</b>	<b>4</b>
	1 0,50mm 3 1,00mm 4 1,25mm 5 1,27mm 6 2,00mm 7 2,54mm	<b>006-170</b> <b>004-100</b> <b>003-080</b> <b>003-077</b> <b>003-038</b>	Länge Isolierung [mm] Insulation Length [mm]	<b>A</b> (nicht Pitch 1) (not Pitch 1) <b>C</b> <b>E</b> (nicht Pitch 1) (not Pitch 1) <b>F</b>	<b>S1 [mm]</b> Abisolierte Länge Uncovered length <b>S2 [mm]</b> Abisolierte Länge Uncovered length <b>S3 (S4, optional) [mm]</b> Länge Stützband Stiffener Length Beispiele: Examples:	1 0,100mm 2 0,050mm 3 0,035mm	7 0,32mm 3 0,65mm 4 0,80mm 5 1,27mm

\* Dies ist ein **Bestellbeispiel** -  
bitte durch Ihre Spezifikationen ersetzen.  
\* This is an **order example** -  
please replace by your specifications.