THIS DRAWING IS A CONTROLLED DOCUMENT.

LOC	DIST
H	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	F1	ECO-11-005294	27APR11	-	HMR
	F2	ECR-12-021221	11DEC12	RK	BvH

1 CONSTRUCTION

1.1 Conductor:
- 1.1.1 Construction: Stranded 7x0.127 mm copper tin plated
- 1.1.2 Cross-section: 28AWG (0.089 mm^2)
- 1.1.3 Diam.: 0.39 mm

1.2 Insulation:
- 1.2.1 Material: PVC 105°C
- 1.2.2 Insulation thickness: nom. 0.25 mm
- 1.2.3 Diam.: 0.93 mm
- 1.2.4 Pitch: 1.27 (see Table 1)
- 1.2.5 Colour: Gray RAL7032
  Conductor #1 Red
- 1.2.6 Shore hardness: 94

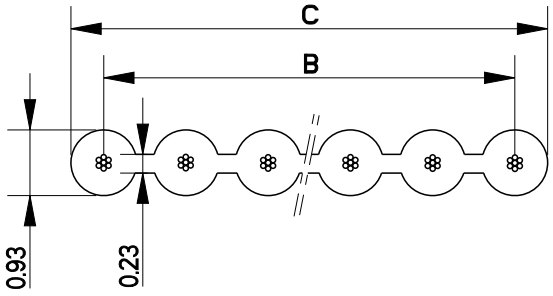
2. Electrical requirements:
- 2.1 DC Resistance: 216 Ohm/km at 20°C
- 2.2 Insulation Resistance: 100 MOhm x km at 20°C
- 2.3 Max Operating Voltage: 300V at 50Hz
- 2.4 Test voltage: min. 2000V 50Hz at 1Min
- 2.5 Capacitance: max. 60pF/m

3 Mechanical Requirements
- 3.1 Temperature Range
  fixed -30°C +105°C
  fixed -40°C +105°C according DIN72551
  moving -20°C +105°C
- 3.2 Bending radius:
  One-time bending: min. radius = 5 x outer diameter
  Repeated bending: min. radius = 10 x outer diameter

4 Certification: UL2651
CSA
VDE 0811

5 Dimensions (see Table 1)

6 Remarks: Length per Reel has to be splice free



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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±° .'

DWN F.VRIELINK -
CHK B.MAAS -
APVD J.V.GRUNSVEN -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

MATERIAL 1
FINISH 1

TE Connectivity

NAME FLAT RIBBON CABLE 28AWG PITCH 1.27 mm

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A4	00779	C-167019	-

Customer Drawing | SCALE - | SHEET 1 OF 2 | REV F2

LOC	DIST
H	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

TABLE 1

Length per Reel (m)	C (mm)	B (mm)	Number of Conductors	TE Partnumber
100	80.94	80.01	64	6-167019-4
100	75.86	74.93	60	6-167019-0
100	63.16	62.23	50	5-167019-0
100	50.46	49.53	40	4-167019-0
100	46.65	45.72	37	3-167019-7
100	42.84	41.91	34	3-167019-4
100	32.68	31.75	26	2-167019-6
100	31.41	30.48	25	2-167019-5
100	30.14	29.21	24	2-167019-4
450	25.06	24.13	20	2-167019-0
500	22.52	21.59	18	1-167019-8
600	19.98	19.05	16	1-167019-6
625	18.71	17.78	15	1-167019-5
650	17.44	16.51	14	1-167019-4
700	14.90	13.97	12	1-167019-2
900	12.36	11.43	10	1-167019-0
950	11.09	10.16	9	0-167019-9
1000	9.82	8.89	8	0-167019-8
1300	7.28	6.35	6	0-167019-6
1800	4.74	3.81	4	0-167019-4

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3 PLC ±
4 PLC ±
ANGLES ±° -'

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MATERIAL 1
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TE Connectivity

NAME FLAT RIBBON CABLE 28AWG PITCH 1.27 mm

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Customer Drawing

SCALE -
SHEET 2 OF 2
REV F2