

Customer Information Sheet

DRAWING No.: G125-XWXXXXX94

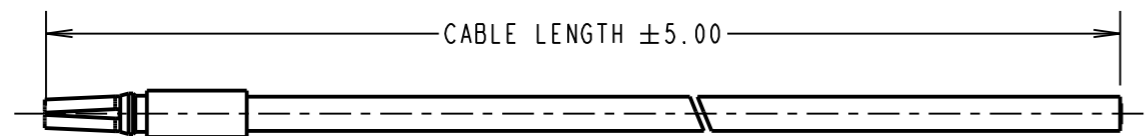
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

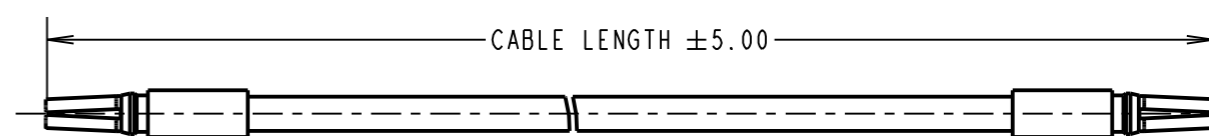
ALL DIMENSIONS IN mm



G125-FWXXXXXL94
 FEMALE CONTACT:
 SEE NOTES 4 & 6

CABLE SIZE: 26 AWG = W1
 28 AWG = W2
 30 AWG = W3
 32 AWG = W4

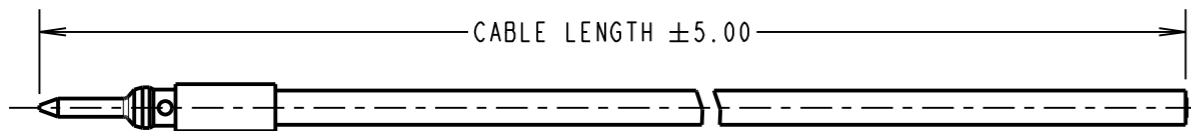
CABLE LENGTH: 0060 = 60mm MIN
 9999 = 9999mm MAX



G125-FWXXXXXF94
 FEMALE CONTACT:
 SEE NOTES 4 & 6

CABLE SIZE: 26 AWG = W1
 28 AWG = W2
 30 AWG = W3
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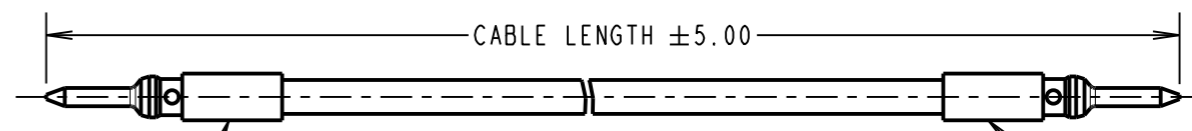
CABLE LENGTH: 0060 = 60mm MIN
 9999 = 9999mm MAX



G125-MWXXXXXL94
 MALE CONTACT:
 SEE NOTES 5 & 7

CABLE SIZE: 26 AWG = W1
 28 AWG = W2
 30 AWG = W3
 32 AWG = W4

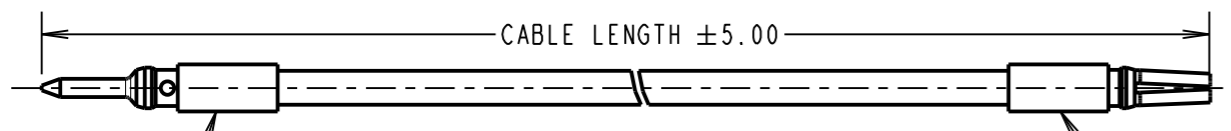
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G125-MWXXXXM94
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 SEE NOTES 5 & 7

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G125-MWXXXXXF94
 MALE CONTACT:
 SEE NOTES 5 & 7

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FEMALE CONTACT:
 SEE NOTES 4 & 6

NOTES:

- PACK SIZE: 10 ASSEMBLIES PER BAG. BAG SIZE 280mm x 170mm WITH RESEALABLE TOP. BAGS ARE PACKED IN SUITABLE SIZED BOX.
- CONTACT INSERTION / WITHDRAWAL KIT = Z125-902.
- WHITE PTFE WIRE. WIRE TYPE FOR ALL WIRE GAUGES = BS 3G 210 TYPE A.
- G125-0010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER \varnothing 0.80mm.
- G125-1010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER \varnothing 0.80mm.
- G125-0020005 IS SUITABLE FOR WIRE GAUGE 28-32 AWG. MAXIMUM INSULATION DIAMETER \varnothing 0.72mm.
- G125-1020005 IS SUITABLE FOR WIRE GAUGE 28-32 AWG. MAXIMUM INSULATION DIAMETER \varnothing 0.72mm.
- RECOMMENDED POTTING COMPOUND = STYCAST 2651 MM BACK POTTING + CATALYST 9.

MSP	4	18.08.15	13051
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: S.BENNETT			
DRAWN: S.BENNETT			
CUSTOMER REF.:			
ASSEMBLY DRG:			



PATENT PENDING - US 13/848813
 PATENT PENDING - UK 1205109.0
 PATENT PENDING - EP 13159969.8

HARWIN

www.harwin.com
 technical@harwin.com

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TOLERANCES
 X. = \pm 1mm
 X.X = \pm 0.50mm
 X.XX = \pm 0.10mm
 X.XXX = \pm 0.01mm
 ANGLES = \pm 5°
 UNLESS STATED

MATERIAL: SEE SHEET 3
 FINISH: SEE SHEET 3
 S/AREA: mm²

TITLE: G125 SERIES PRE-CRIMPED WIRE ASSEMBLIES
 DRAWING NUMBER: G125-XWXXXXX94
 SHT 2A OF 3

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIALS:

MOULDING, PICK & PLACE CAP:
POLYAMIDE, PA4T-GF30 FR(40) UL94V-0,
HALOGEN FREE, FREE OF RED PHOSPHORUS

CONTACTS:

MALE PC-TAIL/SMT = PHOSPHOR BRONZE
MALE CRIMP = BRASS
ALL FEMALE CONTACTS = COPPER ALLOY

LOCKING HARDWARE:

LATCHES: COPPER NICKEL TIN ALLOY
SCREW LOCK: STAINLESS STEEL

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):
STYCAST 2651 MM BACK POTTING WITH CATALYST 9

FINISH:

ALL CONTACTS:
0.2-0.3µ GOLD OVER NICKEL
LATCHES:
3.0µ 100% TIN OVER NICKEL

MECHANICAL:

DURABILITY = 1000 OPERATIONS
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

ENVIRONMENTAL:

CLASSIFICATION: 65/150/56 DAYS AT 93% RH

TEMPERATURE RANGE:

EIA-364-32 : 2000 TEST CONDITION IV, DWELL
30mins, 5 CYCLES -65°C TO +150°C

* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5MM, 198 mm/s² (20G). DURATION 2Hr

* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s²
(100G) FOR 6ms IN Z AXIS, 490 mm/s² (50G) FOR 11ms IN X & Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)
* BUMP SEVERITY: 390 mm/s² (40G), 4000± 10 BUMPS
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:

CURRENT RATING:

EIA-364-70A : 1998: INDIVIDUAL CONTACT IN ISOLATION AT 25°C = 2.8A MAX
EIA-364-70A : 1998: ALL CONTACTS SIMULTANEOUSLY AT 25°C = 2.0A MAX

CONTACT RESISTANCE:

EIA-364-06C : 2006: INITIAL CONTACT RESISTANCE = 20mΩ MAX
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ MAX

WORKING VOLTAGE:

EIA-364-20C : 2004: SEA LEVEL (1006mbar) = 450V DC/AC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar) = 250V DC/AC PEAK

VOLTAGE PROOF AT SEA LEVEL (1013mbar) = 600V DC/AC PEAK

INSULATION RESISTANCE:

EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL)
= 10 GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING)
= >1 GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

PATENT PENDING
UK 1205109.0



MGP	4	22.06.17	20668
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE:

G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT
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