

# **GT5 Cable assembly Brochure**

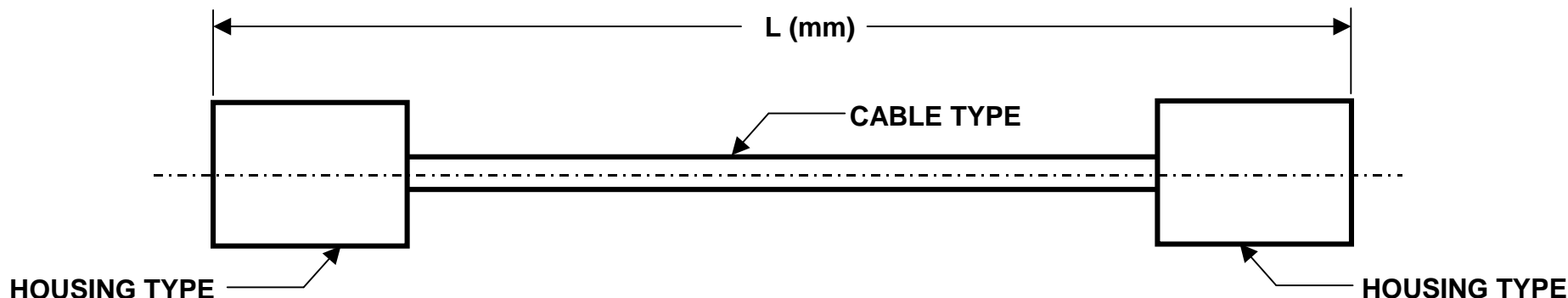
**HRS ELECTRIC USA Inc.**



# ORDERING INFORMATION

HRUS-Engineering 8/22/2002  
Rev.A

## GT5 CABLE ASSEMBLY, DOUBLE ENDED



### P/No. EXPLANATION

HRUS0279 - XXX - XX - XX (X) - XXX

#### BASIC No.

0279: GT5 CABLE ASSY, DOUBLE ENDED

#### CABLE TYPE

- 58- RG-58/U (ANDREW P/No.910046A000)  
(REF.BELDEN P/No.YR43743)
- 174- RG-174/U (BELDEN P/No.8216)
- 316- RG-316/U (BELDEN P/No.83284)

#### CONNECTOR TYPE

- M - MALE(RECEPTACLE) ON BOTH ENDS
- F - FEMALE(PLUG) ON BOTH ENDS
- MF- MALE(RECEPTACLE) ON ONE END  
FEMALE(PLUG) ON THE OTHER END

#### HOUSING TYPE (SEE ATTACHED)

- 1 - GT5-1PP-HU (M CONNECTOR)
- 2 - GT5-1S-HU (F CONNECTOR)

#### CABLE LEGTH

L (mm)

#### POLARIZING CODING (SEE ATTACHED)

- A
- B
- C
- D
- E
- BLANK- HIROSE SPECIFIC

#### TOLERANCE TABLE

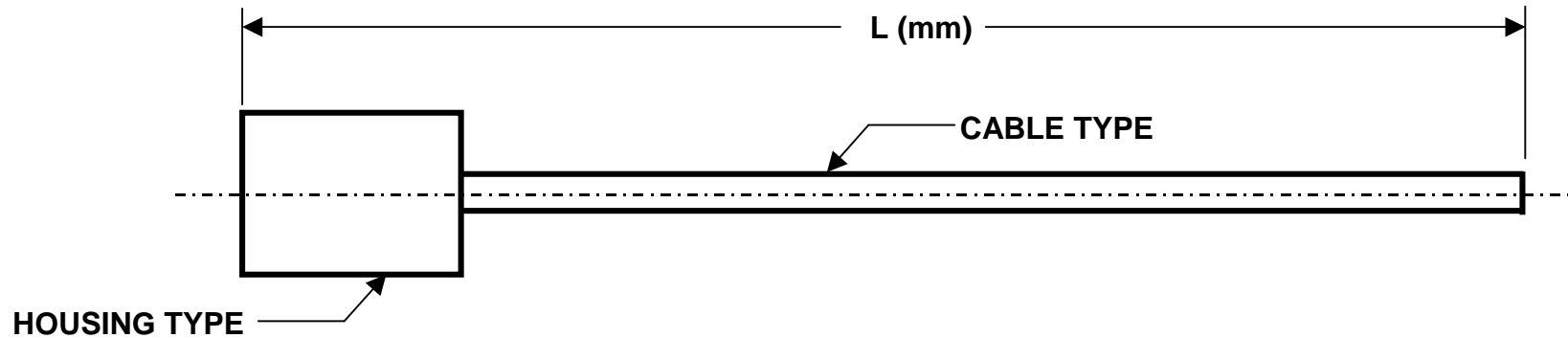
L (mm)	TOLERANCE
UP TO 200	± 4mm
201 ~ 500	± 6mm
501 & UP	± 3%



# ORDERING INFORMATION

HRUS-Engineering 8/22/2002  
Rev.A

## GT5 CABLE ASSEMBLY, SINGLE ENDED



### P/No. EXPLANATION

HRUS0280 - XXX - XX - XX (X) - XXX

#### BASIC No.

0280: GT5 CABLE ASSY, SINGLE ENDED

#### CABLE TYPE

58- RG-58/U (ANDREW P/No.910046A000)  
(REF. BELDEN P/No.YR43743)  
174- RG-174/U (BELDEN P/No.8216)  
316- RG-316/U (BELDEN P/No.83284)

#### CONNECTOR TYPE

M - MALE(RECEPTACLE) ON BOTH ENDS  
F - FEMALE(PLUG) ON BOTH ENDS

#### HOUSING TYPE (SEE ATTACHED)

1 - GT5-1PP-HU (M CONNECTOR)  
2 - GT5-1S-HU (F CONNECTOR)

#### CABLE LEGTH

L (mm)

#### POLARIZING CODING (SEE ATTACHED)













A  
B  
C  
D  
E  
BLANK- HIROSE SPECIFIC

#### TOLERANCE TABLE


L (mm)	TOLERANCE
UP TO 200	± 4mm
201 ~ 500	± 6mm
501 & UP	± 3%



# POLARIZING CODING

CODING	COLOR	APPLICATION	M CONNECTOR	F CONNECTOR
<b>A</b>	<b>NUT BROWN</b>	<b>TV VHF</b>		
<b>B</b>	<b>LEAF GREEN</b>	<b>TV UHF</b>		
<b>C</b>	<b>SIGNAL BLUE</b>	<b>GPS</b>		
<b>D</b>	<b>CLARET VIOLET</b>	<b>CELLULAR PHONE</b>		
<b>E</b>	<b>HEATHER VIOLET</b>	<b>GPS NAVIGATION ONLY</b>		
<b>HIROSE SPECIFIC</b>	<b>LIGHT GRAY</b>	<b>CUSTOM or ALL OF THE ABOVE</b>		

# CONNECTOR / HOUSING TYPES

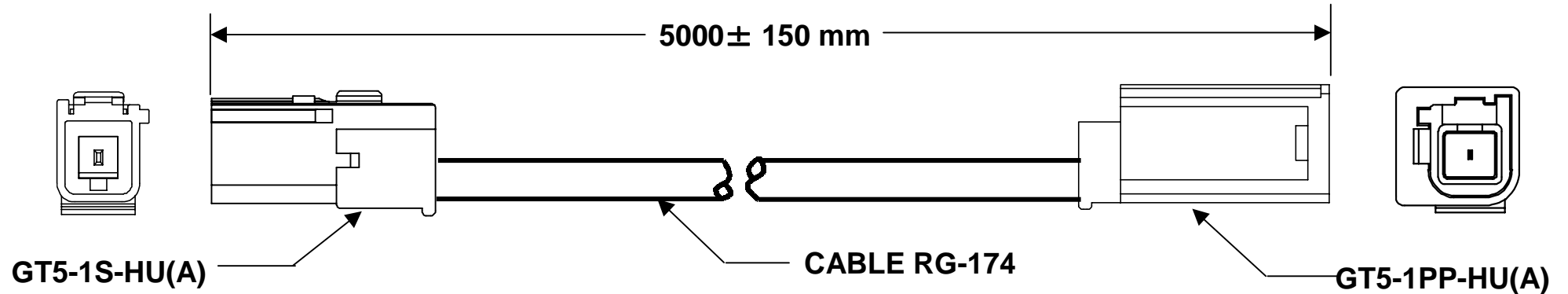
POLARIZING CODING						
	A	B	C	D	E	HIROSE SPECIFIC
COLOR	NUT BROWN	LEAF GREEN	SIGNAL BLUE	CLARET VIOLET	HEATHER VIOLET	LIGHT GRAY
M CONNECTOR HOUSING	GT5-1PP-HU(A) 	GT5-1PP-HU(B) 	GT5-1PP-HU(C) 	GT5-1PP-HU(D) 	GT5-1PP-HU(E) 	GT5-1PP-HU 
F CONNECTOR HOUSING	GT5-1S-HU(A) 	GT5-1S-HU(B) 	GT5-1S-HU(C) 	GT5-1S-HU(D) 	GT5-1S-HU(E) 	GT5-1S-HU 
M CONNECTOR BOARD TYPE	GT5-1P-DS(A) 	GT5-1P-DS(B) 	GT5-1P-DS(C) 	GT5-1P-DS(D) 	GT5-1P-DS(E) 	GT5-1P-DS 



# P/No Examples

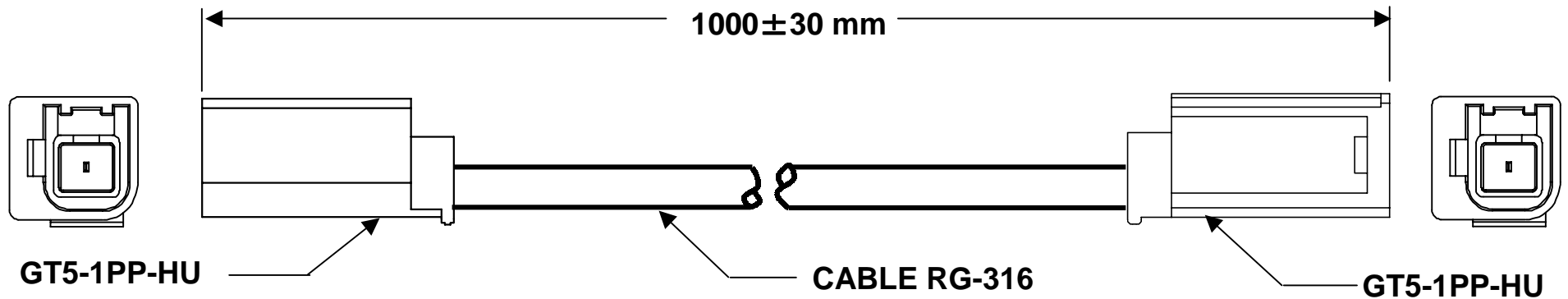
## EXAMPLE 1

HRUS0279-174-MF-12(A)-5000



## EXAMPLE 2

HRUS0279-316-M-1-1000



# HRS standard cable specification



## RG316/U BELDEN 83284 Coax - MIL-C-17G QPL Cable

RG Type	AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield	
316/U	26	(7x.0067)	SPCCS - Silver Plated Copper Covered Steel	TFE - Tetrafluoroethylene	.01900	Braid	
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Conductor DCR (Ohms/M')	Nom. Imp. (Ohms)	Nom. Vel. Of Prop. (%)	Nom. Cap. (pF/ft)
FEP - Fluorinated Ethylene Propylene	.0100	.0580	.0980	84.100	50.0	69.5	29.000



## RG174/U BELDEN 8216 Coax - 50 Ohm Transmission and Computer Cable

RG Type	AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield	
174/U	26	(7x34)	BCCS - Bare Copper Covered Steel	PE - Polyethylene	.02100	Tinned Copper Braid Shield	
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Conductor DCR (Ohms/M')	Nom. Imp. (Ohms)	Nom. Vel. Of Prop. (%)	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0165	.0600	.1100	97.000	50.0	60.0	30.800

# HRS standard cable specification

**RG58/U ANDREW 910046A000**



**(REF.BELDEN YR43743)** Coax – 50 Ohm Cable for PCN Usage (2GHz)

RG Type	AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield	
58/U	18	Solid	BC – Bare Copper	Foam PE - Foam Polyethylene	(.0370)	Aluminum Foil- Polyester Tape- Aluminum Foil/ Braid Shield	
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Conductor DCR (Ohms/M')	Nom. Imp. (Ohms)	Nom. Vel. Of Prop. (%)	Nom. Cap. (pF/ft)
PVC – Polyvinyl Chloride	(.0280)	.1140	.1950	6.400	50.0	78.0	25.500