CABLE ASSEMBLY MODEL NUMBERING

This section describes the model numbering system for Glentek's cable assemblies. The model numbering system is designed so that you, our customer, will be able to quickly and accurately create the model number for the cable assembly you require. In order to accurately select a complete part number, utilize the Model Number Key and follows steps 1-5.

Model Number Key: GC YYYY - αα ΔΔΔ ββ - 000

GC - Designates a Glentek Cable.
YYYY - Designates Cable Style.
αα - Designates Connector Style or blunt cut on Motor or Controller Cable end.
ββ - Designates Connector Style or blunt cut on Amplifier Cable end.
ΔΔΔ - Designates Cable Length.
000 - Designates Glentek's Standard Wiring Diagram. Please refer to the Wiring Diagram Section that follows for detailed information. Should you require a deviation from Glentek's standard, please contact a Glentek representative to assign a dedicated 3-digit code for your requirements.

Example: GC2300 – AH 015 AJ – 000
Description: Encoder Feedback Cable
19-Pin Female MS Connector (Straight)
15-Feet Cable Length
20-Pin mini-d Connector
Glentek Standard Wiring Diagram

1. Select the Cable Style (**YYYY**) which corresponds to the amplifier and/or motor you have selected for your application. This information can be obtained by using Table 1: Cable Styles.

2. Select the lead termination you require on the motor or controller cable end (**αα**). This information can be obtained by using Table 2: Lead Termination.

3. Select the length of cable you require (**ΔΔΔ**). Note: Standard lengths come in 5-foot increments.

4. Select the lead termination you require on the amplifier cable end (**ββ**). This information can be obtained by using Table 2: Lead Termination.

5. Substitute the information you obtained in the previous steps in the appropriate place of the model numbering key to obtain the complete model number of the cable assembly for your requirements. Note: A complete model number example follows the model number key and includes a full description of the individual codes which make up the complete model number.

Glentek, Inc.
208 Standard Street • El Segundo, California 90245 USA
(310) 322-3026 • (310) 322-7709 Fax • www.glentek.com

CABLE ASSEMBLY MODEL NUMBERING

Table 1: Cable Styles

Cable (YYYY)	Cable Description
1020	Brushless Motor Power Cable, 17 Amps nominal @ 30°C Ambient (4 Conductors 16AWG, Shielded, Poly Jacket)
1030	Brushless Motor Power Cable, 30 Amps nominal @ 30°C Ambient (4 Conductors 12AWG, Shielded, Poly Jacket)
1060	Brushless Motor Power Cable, 56 Amps nominal @ 30°C Ambient (4 Conductors 8AWG, Shielded, Poly Jacket)
2000	Brushless Resolver or Hall Sensor Feedback Cable (5 Twisted Pairs 22AWG, Shielded, Poly Jacket)
2300	Encoder Feedback Cable (8 Twisted Pairs 28AWG + 2x16AWG, Shielded, Poly Jacket)
2400	Host Serial Cable (3 Conductors 24AWG, Sheilded, Poly Jacket)
2600	Amplifier I/O Cable (25 Twisted Pairs 28AWG, Shielded, Poly Jacket)

Table 2: Lead Termination

Connector		Connector Description	Manufacturer's P/N	Used on
αα	ββ			
AA	AA	Blunt cut		
AB		MS Conn., 5-Pin, Straight (Motor Power)	MS3116F14-5S	GMB2000, GMB3500, GMB4500, GMBF4300 & GMBF5000
AC		MS Conn., 5-Pin, 90 Deg. (Motor Power)	KPT08F14-5S	GMB2000, GMB3500, GMB4500, GMBF4300 & GMBF5000
AD		MS Conn., 4-Pin, Straight (Motor Power)	MS3106E-22-22S	GMB5600
AE		MS Conn., 4-Pin, Straight (Motor Power)	MS3106E-32-17S	GMB7500
AF		MS Conn., 18-Pin, Straight (Resolver Feedback)	MS3116F14-18S	GMB2000, GMB3500, GMB4500, GMBF4300, GMBF5000, GMB5600 & GMB7500
AG		MS Conn.,18-Pin, 90 Deg. (Resolver Feedback)	KPT08F14-18S	GMB2000, GMB3500, GMB4500, GMBF4300, GMBF5000, GMB5600 & GMB7500
AH		MS Conn., 19-Pin, Straight (Encoder Feedback)	MS3116F14-19S	GMB2000, GMB3500, GMB4500, GMBF4300, GMBF5000, GMB5600 & GMB7500
AI		MS Conn., 19-Pin, 90 Deg. (Encoder Feedback)	KPT08F14-19S	GMB2000, GMB3500, GMB4500, GMBF4300, GMBF5000, GMB5600 & GMB7500
	AJ	20-Pin mini-d (Encoder/Hall/Motor Temp Feedback)		SMA9800 Omega Series
	AK	36-Pin mini-d (Amplifier I/O)		SMA9800 Omega Series
AL		Female DB9 (Host Communications)		SMA9800 Omega Series
	AM	RJ45 (Host Communications)		SMA9800 Omega Series
	AN	Molex 5-pin		SMA8200 Series
	AO	Molex 10-pin		SMA8100 Series
	AP	Forked Spade Lug 14-18 AWG (Motor Power)	Thomas & Betts B19	SMA8X15 Module & SMA9815 Omega Series Module
	AQ	Forked Spade Lug 10-12 AWG (Motor Power)	Thomas & Betts C133	SMA8X30 Stand Alone & SMA9830 Omega Stand Alone
	AR	Male DB9 (Host Communications)		SMA9800 Omega Series

Glentek, Inc.
208 Standard Street • El Segundo, California 90245 USA
(310) 322-3026 • (310) 322-7709 Fax • www.glentek.com