



480VAC Horsepower Related Power Conductors, CGB's and Hubs											
Conductor Tag		Horsepower									
		5	7.5	10	15	20	25	30	40	50	60
P.00.0, P.00.0A, P.00.1	Description	(3)#8, (1)#10	(3)#4, (1)#8	(3)#4, (1)#8	(3)#3, (1)#8	(3)#1/0, (1)#6	(3)#1/0, (1)#6	(3)#2/0, (1)#6	(3)#3/0, (1)#6	(3)#4/0, (1)#4	(3)250kcmil, (1)#4
	Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Catalog #	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Length (Ft. Max)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cable Dia (in) (Conductors)	0.216"	0.324"	0.324"	0.352"	0.486"	0.486"	0.532"	0.584"	0.642"	0.711"
	T&B Ranger Series (Conductors)	(3) -2920NM	(3) -2921NM	(3) -2921NM	(3) -2921NM	(3) -2931NM	(3) -2931NM	(3) -2932NM	(3) -2932NM	(3) -2932NM	(3) -2932NM
	Connector Range (Conductors)	0.125"-0.375"	0.310"-0.560"	0.310"-0.560"	0.310"-0.560"	0.310"-0.560"	0.310"-0.560"	0.500"-0.750"	0.500"-0.750"	0.500"-0.750"	0.500"-0.750"
	Size (Conductors)	(3) 1/2"	(3) 1/2"	(3) 1/2"	(3) 1/2"	(3) 3/4"	(3) 3/4"	(3) 3/4"	(3) 3/4"	(3) 3/4"	(3) 3/4"
	Cable Dia (in) (Ground)	0.164"	0.216"	0.216"	0.216"	0.254"	0.254"	0.254"	0.254"	0.324"	0.324"
	T&B Ranger Series (Ground)	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM	(1)-2920NM
	Connector Range (Ground)	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"	0.125"-0.375"
	Size (Ground)	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"	(1) 1/2"
P.00.0B, P.00.0C, P.00.1B, P.00.1C	Description	(3)#8, (1)#10	(3)#4, (1)#8	(3)#4, (1)#8	(3)#3, (1)#8	(3)#1/0, (1)#6	(3)#1/0, (1)#6	(3)#2/0, (1)#6	(3)#3/0, (1)#6	(3)#4/0, (1)#4	(3)250kcmil, (1)#4
	Manufacturer	Southwire	Southwire	Southwire	Southwire	Southwire	Southwire	Southwire	Southwire	Southwire	Southwire
P.01.0A, P.02.0A	Description	(3)#14 W/G, TC	(3)#12 W/G, TC	(3)#10 W/G, TC	(3)#8 W/G, TC	(3)#8 W/G, TC	(3)#8 W/G, TC	(3)#6 W/G, TC	(3)#2 W/G, TC	(3)#2 W/G, TC	(3)#2 W/G, TC
	Manufacturer	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire	Houston Wire
	Catalog #	HW151 1403G	HW151 1003G	HW151 1003G	HW 154 00803	HW 154 00803	HW 154 00803	HW 154 00603	HW 154 00203	HW 154 00203	HW 154 00203
	Length (Ft. Max)	19 FT	19 FT	19 FT	19 FT	19 FT	19 FT	19 FT	19 FT	19 FT	19 FT
	Cable Dia (in)	0.364"	0.408"	0.447"	0.58"	0.58"	0.58"	0.69"	1.03"	1.03"	1.03"
	T&B Ranger Series	(2) -2921NM	(2) -2921NM	(2) -CG-3750	(2) - CG-5075	(2) - CG-5075	(2) - CG-5075	(2) - CG-6275	(2) - CG-100125	(2) - CG-100125	(2) - CG-100125
	Connector Range	0.310"-0.560"	0.310"-0.560"	0.375"-0.500"	0.500"-0.625"	0.500"-0.625"	0.500"-0.625"	0.625"-0.750"	1.000"-1.125"	1.000"-1.125"	1.000"-1.125"
	Size	(2) 1/2"	(2) 1/2"	(2) 1/2" - STA-1	(2) 3/4" - STA-2	(2) 3/4" - STA-2	(2) 3/4" - STA-2	(2) 3/4" - STA-2	(2) 1-1/4" - STA-4	(2) 1-1/4" - STA-4	(2) 1-1/4" - STA-4

Power & Control Conductors, CGB's and Hubs									
Cable Number	Description	Manufacturer	Catalog Numer	Length (Max Ft)	Cable Diameter	T&B Ranger Series	Connector Cable Range	From Panel/Enclosure	To Panel/Enclosure
P.03.0A	(3)#8 AWG W/GND, Tray Cable	Houston Wire & Cable	HW 154 00803	6 FT	0.58"	(1)-2932NM	0.500"-0.750"	Power Panel	Transformer (Primary)
P.03.0B	(3)#6 AWG W/GND, Tray Cable	Houston Wire & Cable	HW 154 00603	6 FT	0.69"	(1)-2932NM	0.500"-0.750"	Transformer (Secondary)	Power Panel
P.04.0A	#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Power Panel
P.04.0B	#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Power Panel
P.05.0	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Area Light
P.06.0A	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Pump 1 Panel
P.06.0B	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Pump 2 Panel
P.07.0A	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Generator Heater
P.07.0B	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	Generator Charger
P.08.0A	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	HVAC 1
P.08.0B	(2)#12, (1)#12 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Power Panel	HVAC 2
P.09.01	(2)#16 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Control Panel	Pump 1 Panel
P.09.02	(2)#16 AWG	N/A	N/A	AS REQ'D	N/A	N/A	N/A	Control Panel	Pump 2 Panel
C-01	(16) #14 AWG, Tray Cable	Houston Wire & Cable	HW 151 01416	24 FT	0.68"	(2) -2932NM	0.500"-0.750"	Power Panel	Control Panel
C-02	(5) #14 AWG, Tray Cable	Houston Wire & Cable	HW 151 01405	19 FT	0.41"	(2) -2921NM	0.310"-0.560"	Power Panel	Pump 1 Panel
C-03	(16) #14 AWG, Tray Cable	Houston Wire & Cable	HW 151 01416	22 FT	0.68"	(2) -2932NM	0.500"-0.750"	Pump 1 Panel	Control Panel
C-04	(16) #14 AWG, Tray Cable	Houston Wire & Cable	HW 151 01416	19 FT	0.68"	(2) -2932NM	0.500"-0.750"	Control Panel	Pump 2 Panel
C-05	1 Triad #16 SH, Tray Cable	Houston Wire & Cable	HW 121 1601T	22 FT	0.35"	(2) -2921NM	0.310"-0.560"	Pump 1 Panel	Control Panel
C-06	1 Pair #16 SH, Tray Cable	Houston Wire & Cable	HW 120 01601	22 FT	0.33"	(2) -2930NM	0.125"-0.75"	Pump 1 Panel	Control Panel
C-07	1 Triad #16 SH, Tray Cable	Houston Wire & Cable	HW 121 1601T	19 FT	0.35"	(2) -2921NM	0.310"-0.560"	Pump 2 Panel	Control Panel
C-08	1 Pair #16 SH, Tray Cable	Houston Wire & Cable	HW 120 01601	19 FT	0.33"	(2) -2930NM	0.125"-0.75"	Pump 2 Panel	Control Panel
C-09	(5) #14 AWG, Tray Cable	Houston Wire & Cable	HW 151 01405	22 FT	0.41"	(2) -2921NM	0.310"-0.560"	Power Panel	Pump 2 Panel
P.01.0B	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 1)	Pump 1 Panel
PUMP 1-MTP	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 1)	Pump 1 Panel
PUMP 1-SF	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 1)	Pump 1 Panel
P.02.0B	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 2)	Pump 2 Panel
PUMP 2-MTP	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 2)	Pump 2 Panel
PUMP 2-SF	Per Mfg Specs	N/A	N/A	N/A	N/A	CG Series based on Mfg Specs	N/A	Field (Pump 2)	Pump 2 Panel
Float Switch 1	Float Switch Cable	BY OTHERS	N/A	N/A	0.56"	(1) -2922NM	0.500"-0.750"	Field (Float Switch)	Control Panel
Float Switch 2	Float Switch Cable	BY OTHERS	N/A	N/A	0.56"	(1) -2922NM	0.500"-0.750"	Field (Float Switch)	Control Panel
Pressure Xducer	Pressure Transducer Cable	BY OTHERS	N/A	N/A	0.35"	(1) -2921NM	0.310"-0.560"	Field (Pressure Trans.)	Control Panel
Antenna COAX	Coaxial Cable	BY OTHERS	N/A	N/A	0.408"	(1) -2921NM	0.310"-0.560"	Field (Antenna)	Control Panel
CAT5-1	Ethernet	BELDEN	7922A	19 FT	0.301"	(2) -2920NM	0.125"-0.375"	Pump 1 Panel	Control Panel
CAT5-2	Ethernet	BELDEN	7922A	22 FT	0.301"	(2) -2920NM	0.125"-0.375"	Pump 2 Panel	Control Panel
Comm-1	(37) #18 AWG, Tray Cable	Houston Wire & Cable	HW15001837	20 FT	0.74"	(1) -2932NM	0.500"-0.750"	Control Panel	Pump 1 Panel
Comm-2	(37) #18 AWG, Tray Cable	Houston Wire & Cable	HW15001837	20 FT	0.74"	(1) -2932NM	0.500"-0.750"	Control Panel	Pump 2 Panel

**Instructions:**  
 Select either DS-33.1 or DS-33.2  
 based on supplied voltage.

SEE NOTE #10 ON SHEET DS-0.1