



The Liberty Advantage™

# Commercial Plenum Wire Schedule

Signal	Type	LWC P/N	Description (Fixed Install)	Diameter		Rating	Grade	Mating Connector		
				(Inch)	(mm)			Balanced	Unbalanced	Crimp BNC
<b>Audio (Non Speaker)</b>										
Analog Audio	Balanced or Unbalanced	24-1P-P-DIG-AUDIO	24 AWG 1 Pair twisted shielded ultra-low Capacitance AES/EBU	0.170	4.3	CMP	Best	NC3FX, NC3MX	ZD06-color	
Analog Audio	Balanced or Unbalanced	22-1P-CMP-EZ	22 AWG 1 Pair twisted shielded Low Capacitance Broadcast Audio	0.130	3.3	CMP	Better	NC3FX, NC3MX	ZD06-color	
Analog Audio	Balanced or Unbalanced	22-2C-PSH	22 AWG 1 Pair twisted shielded plenum	0.116	2.9	CMP	Good	NC3FX, NC3MX	ZD06-color	
Digital or Analog Audio	Unbalanced (Coaxial)	18-CMP-VID-COAX	RG6/U High Definition Serial Digital Coaxial Cable	0.237	6.0	CMP	Best		CM-RG6P series	112958
Digital or Analog Audio	Unbalanced (Coaxial)	20-CMP-VID-COAX	RG59/U High Definition Serial Digital Coaxial Cable	0.207	5.3	CMP	Better		CM-RG59P series	112975
Digital or Analog Audio	Unbalanced (Coaxial)	23-MINI-CMP	Mini RG59/U Serial Digital Coaxial Cable	0.159	4.0	CMP	Good		CM-RGB23 series	112955
Digital Audio	Balanced	24-1P-P-DIG-AUDIO	24 AWG 1 Pair twisted shielded ultra-low Capacitance AES/EBU	0.170	4.3	CMP	Best	NC3FX, NC3MX	ZD06-color	
<b>Control</b>										
Universal Control	AMX/CRESTRON	LLINX-U-P	Low Capacitance 105Ω twisted shielded pair with 18/2 power	0.205	5.2	CMP	Best			
General Control	RS-232 Control	24-4P-PLCSH	Low Capacitance 24/4P stranded shielded control/data cable	0.210	5.3	CMP	Best	DB9M, DB9F		
General Control	RS-232 Control	22-2C-PSH	22 AWG 1 Pair twisted shielded plenum	0.116	2.9	CMP	Good	DB9M, DB9F	ZD06-color	
<b>DATA</b>										
Non LAN Data	RS232-RS485	24-2P-P485-WHT	24 AWG 2 Pair twisted double shielded Ultra-low capacitance 120Ω	0.277	7.0	CMP	Best	DB9M, DB9F		
Non LAN Data	RS-232 Control	24-4P-PLCSH	Low Capacitance 24/4P stranded shielded control/data cable	0.210	5.3	CMP	Best	DB9M, DB9F		
LAN Data	Category 6	24-4P-P-L6-EN	23 AWG 4 Pair UTP Third Party verified Category 6	0.215	5.5	CMP	Best	100 011LW		
LAN Data	Category 5e	24-4P-P-L5-EN	24 AWG 4 Pair UTP Third Party verified Category 5e	0.180	4.6	CMP	Best	100 003B		
<b>Fiber</b>										
Single Mode Fiber	Plenum Single Mode	*FPISM-	* = Fiber count, Suffix D = Distribution, BO = Breakout, many styles	Varies		OFNP	Best	95-200 series		
Multi Mode Fiber	Plenum 62.5/125 Style	*FPIMM6-	* = Fiber count, Suffix D = Distribution, BO = Breakout, many styles	Varies		OFNP	Best	95-000 series		
Multi Mode Fiber	Plenum 50/125 Style	*FPIMM5-	* = Fiber count, Suffix D = Distribution, BO = Breakout, many styles	Varies		OFNP	Best	95-050 series		
<b>Intercom</b>										
Analog Audio	Under 1000 Feet	22-1P-CMP-EZ	22 AWG 1 Pair twisted shielded Low Capacitance Broadcast Audio	0.130	3.3	CMP	Best	NC3FX, NC3MX	ZD06-color	
Analog Audio	Under 1000 Feet	20-2C-PSH	20 AWG 2 Conductor twisted shielded plenum	0.130	3.3	CMP	Better	NC3FX, NC3MX	ZD06-color	
Analog Audio	Over 1000 Feet	18-1P-PSH	18 AWG 1 Pair twisted shielded Mid Capacitance plenum	0.180	4.6	CMP	Best	NC3FX, NC3MX	ZD06-color	
Analog Audio	Over 1000 Feet	18-2C-PSH	18 AWG 2 Conductor twisted shielded plenum	0.156	4.0	CMP	Better	NC3FX, NC3MX	ZD06-color	
<b>DC Power</b>										
Remote Power Supply	Dependent wattage + distance	22-2C-P	22 AWG 1 Pair twisted unshielded plenum	0.114	2.9	CMP	Good			
Remote Power Supply	Dependent wattage + distance	18-2C-P	18 AWG 2 Conductor twisted unshielded plenum	0.154	3.9	CMP	Good			
<b>RF</b>										
Low Loss 50 Ohm	Wireless Networking	RG58-CMP	19 AWG Low Loss RG58 Plenum 50Ω	0.178	4.5	CMP	Best		112128	112128
Low Loss 50 Ohm	Wireless Networking	WBC-400P	Low Loss flexible Coaxial WBC RG8 Plenum	0.355	9.0	CMP	Best		112627	112627
<b>Video</b>										
Analog Video	Composite Video	RG6-CCTV-PL	RG6/U Base Band Video Cable	0.229	5.8	CMP	Best		CM-RG6PC series	112519
Analog Video	Composite Video	RG59-CCTV-PL	RG59/U Base Band Video Coaxial Cable	0.193	4.9	CMP	Better		CM-RG59PC series	112975
Analog Video	S-Video	SV-25-CMP	25 AWG Solid 2 Coaxial jacketed S-Video Cable (flat)	0.240	6.1	CMP	Best		CM-RGB25S series	112491-10
Analog Video	S-Video	SV-PLN	26 AWG Stranded 2 Coaxial jacketed S-Video Cable (flat)	0.230	5.8	CL2P	Better		CM-RGB26 series	112491-10
Analog Video	RGBHV Video non-ID/DDC Compliant	RGB5C-25-CMP	Mini RG59/U base band Coaxial Cable x 5 Jacketed	0.315	8.0	CMP	Best		CM-RGB25S series	112491-10
Analog Video	RGBHV Video non-ID/DDC Compliant	RGB5C-PLN	26 AWG Stranded 5 Coaxial jacketed RGBHV Cable	0.300	7.6	CMP	Better		CM-RGB26 series	112491-10
Analog Video	RGBHV Video ID/DDC Compliant	RGB6C-25/22-2P-CMP	25 AWG solid 6 Coaxial plus 2 pair control	0.370	9.4	CMP	Best		CM-RGB25S series	112491-10
Analog Video	RGBHV Video ID/DDC Compliant	RGB6C/22-2P-PLN	26 AWG stranded 6 Coaxial plus 2 pair control	0.370	9.4	CMP	Better		CM-RGB26 series	112491-10
Analog Video	No Skew UTP	TRUPHASE-P	23 AWG 4 Pair UTP Low Skew Video Cable	0.170	4.3	CMP	Best		100 011LW	
Analog Video	CATV	RG6-QUAD-CMP	RG6/U CCS Quad Shield CATV 3.0 GHz	0.268	6.8	CMP	Best		CM-RG6P series	
Analog Video	CATV	RG6-P-CATV	RG6/U CCS Dual Shield CATV 3.0 GHz	0.239	6.1	CMP	Best		CM-RG6P series	112958

**Solutions for the AV PROFESSIONAL**  
www.libertycable.com

**800-530-8998**  
INTERNATIONAL - CALL +1-719-388-7542



Specifications Subject to Change



The Liberty Advantage™

# Commercial Plenum Wire Schedule

Signal	Type	LWC P/N	Description (Fixed Install)	Diameter	Rating	Grade	Mating Connector		
Digital Video	SMPTE Standards/DBS Broadband	18-CMP-VID-COAX	RG6/U High Definition Serial Digital Coaxial Cable	0.237	6.0	CMP	Best	CM-RG6P series	112958
Digital Video	SMPTE Standards/DBS Broadband	20-CMP-VID-COAX	RG59/U High Definition Serial Digital Coaxial Cable	0.207	5.3	CMP	Best	CM-RG59P series	112957
<b>Voice/Phone</b>									
Telephone/Voice	Low speed Data, telephone, DSL	24-4P-P-L5-EN	24 AWG 4 Pair UTP Third Party verified Category 5e	0.180	4.6	CMP	Best	100 003B	
Telephone/Voice	Low speed Data, telephone, DSL	24-2P-P-L3	24 AWG 2 Pair UTP Third Party verified Category 3	0.133	3.4	CMP	Better	100 026LW	
Telephone/Voice	Low speed Data, telephone, DSL	22-4C-SOL-P	22 AWG 4 Conductor Solid Station wire	0.117	3.0	CMP	Good		
<b>Security</b>									
Camera	Pan-Tilt-Zoom (PTZ) Applications	RG59-18/2C-PS	Baseband RG59/U siamesed with 18/2C Control/Power (Zip)	0.380	9.7	CMP	Best	CM-RG59PC series	112519
Sensor/General	DC Power, Sensor, System	22-4C-P	22 AWG 4 Conductor twisted unshielded plenum	0.144	3.7	CMP	Good		
<b>Speaker</b>									
Speaker	Amplified Audio	10-2C-TTP	10 AWG 2 Conductor twisted unshielded plenum	0.323	8.2	CL2P	Best	CM-A-12	
Speaker	Amplified Audio	12-2C-TTP	12 AWG 2 Conductor twisted unshielded Tight-Tube plenum	0.257	6.5	CL2P	Best	CM-A-12	
Speaker	Amplified Audio	12-2C-P	12 AWG 2 Conductor twisted unshielded plenum	0.258	6.6	CL3P	Better	CM-A-12	
Speaker	Amplified Audio	14-2C-TTP	14 AWG 2 Conductor twisted unshielded Tight-Tube plenum	0.216	5.5	CL2P	Best	CM-A-14	
Speaker	Amplified Audio	14-2C-P	14 AWG 2 Conductor twisted unshielded plenum	0.210	5.3	CL3P	Better	CM-A-14	
Speaker	Amplified Audio	16-4C-TTP	16 AWG 4 Conductor twisted unshielded Tight-Tube plenum	0.217	5.5	CMP	Best	CM-A-16	
Speaker	Amplified Audio	16-2C-P	16 AWG 2 Conductor twisted unshielded plenum	0.190	4.8	CMP	Better	CM-A-16	
Speaker	Amplified Audio	18-4C-TTP	18 AWG 4 Conductor twisted unshielded plenum	0.195	5.0	CMP	Best		
Speaker	Amplified Audio	18-2C-P	18 AWG 2 Conductor twisted unshielded plenum	0.154	3.9	CMP	Better		
<b>Specialty</b>									
Multipurpose	Projector Application	RGB7C/22-3P-PLN	25 AWG Solid 7 Coaxial plus 3 pair control	0.400	10.2	CL2P	Best	CM-RGB25S series	112491-10
Multipurpose	Projector Application	RGB6C-25/22-2P-CMP	25 AWG Solid 6 Coaxial plus 2 pair control	0.370	9.4	CL2P	Better	CM-RGB25S series	112491-10
Multipurpose	Projector Application	RGB6C/22-2P-PLN	26 AWG stranded 6 Coaxial plus 2 pair control	0.370	9.4	CL2P	Good	CM-RGB26 series	112491-10
<b>Lighting Control</b>									
Lighting Control	Lutron Systems Grafik Eye	LUTRON-P-GRN	22 AWG Shielded Pair+18 AWG Pair Green Stripe	0.195	5.0	CMP	Best		
Lighting Control	Lutron Systems Grafik Eye 4000/5000/6000	LUTRON-P-RBL	22 AWG Shielded Pair+12 AWG Pair+18 AWG Sensor Blue stripe	0.272	6.9	CL3P	Best		
Lighting Control	Lutron Systems Sivoia QED Control	LUTRON-P-RED	18 AWG Shielded Quad+18 AWG Sensor+16 AWG Pair Red Stripe	0.322	8.2	CL3P	Best		
Lighting Control	Lutron Systems Grafik Eye Keypad	LUTRON-P-YEL	22 AWG Shielded Pair + 18 AWG Pair Yellow Stripe	0.195	5.0	CMP	Best		
Lighting Control	Lutron System EcoSystem™ Bus Cable	LUTRON-P-EBC	16 AWG 1 Pair twisted unshielded plenum clear jacket	0.158	4.0	CMP	Best		
Lighting Control	Lutron System EcoSystem™ Sensor Cable	LUTRON-P-ESC	22 AWG 5 Conductor twisted shielded plenum clear jacket	0.134	3.4	CMP	Best		
Lighting Control	Vantage	16-2C-P-VAN	16 AWG Mid Capacitance twisted pair	0.195	5.0	CMP	Best		
Lighting Control	DMX Control	24-2P-P485-WHT	24 AWG 2 pair dual shielded RS-485 Cable	0.277	7.0	CMP	Best	NC5MX, NC5FX	
<b>Coax Connectors</b>									
Compression Style	ConnecTec™ Quicklinx™ Mini 25 AWG	CM-RGB25S-xxx	Nickel Plated RCA, Nickel Plated BNC, and Gold Plated RCA						
Compression Style	ConnecTec™ Mini Hi-Res 26 AWG	CM-RGB26-xxx	Nickel and Gold Plated RCA, Nickel and Gold Plated BNC						
Compression Style	ConnecTec™ Plenum Dual shield RG59	CM-RG59P-xxx	Nickel and Gold Plated RCA, BNC, and F						
Compression Style	ConnecTec™ Plenum Dual shield RG6	CM-RG6P-xxx	Nickel and Gold Plated RCA, BNC, and F						
Compression Style	ConnecTec™ Plenum single shield RG59	CM-RG59PC-xxx	Nickel Plated RCA, BNC, and F						
Compression Style	ConnecTec™ Plenum single shield RG6	CM-RG6PC-xxx	Nickel Plated RCA, BNC, and F						
Crimp Style	Amphenol Connex	112491-10	4-Piece 75 Ohm Crimp BNC for 26 AWG mini Hi-Res Coaxial						
Crimp Style	Amphenol Connex	112955	3-Piece 75 Ohm Crimp BNC for 23-MINI-CMP						
Crimp Style	Amphenol Connex	112975	3-Piece 75 Ohm Crimp BNC for 20-CMP-VIDEO						
Crimp Style	Amphenol Connex	112958	3-Piece 75 Ohm Crimp BNC for 18-CMP-VID-COAX						

**Solutions for the AV PROFESSIONAL**  
www.libertycable.com

**800-530-8998**  
INTERNATIONAL - CALL +1-719-388-7542



Specifications Subject to Change