

Data Cable Wire Length, Specs, Acceptable Substitutions

Echoflex Solutions makes the following recommendations for low voltage data transmission in permanently installed Elaho lighting control systems:

Wire Type	Description	Max. Length	Notes
Belden 8471 + 1 #14 AWG	Elaho Data Signal Cable	1640ft / 500m	Total length of all signal wire should not exceed maximum length specified
CAT5/6	Elaho Data Signal Cable	1000ft / 305m	Total length of all signal wire should not exceed maximum length specified
2 x #16AWG	Auxiliary Power 24vDC		Reference documentation for whether stations need power in addition to signal

Acceptable Cable Substitutions

Belden 8471	Belden 1583A
Alpha 1899C	Comm Scope 5504
Belden 5200UE	West Penn 4245
Carol C8661	Belden 2412
West Penn 225	
TMB PCLP1PT	
TMB PCLP2PT	

Plenum Versions

Belden 8471	Belden 1583A
Belden 6200UE	West Penn 254245
Carol C8621	
TMB PCLP1PTP	
TMB PCLP2PTP	

Other wire substitutions may be acceptable, but must be confirmed by contacting info@echoflexsolutions.com.