



Product Specification Sheet



APS581

Rev. 1 - 04/2004

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The control cable shall be Alpha Communications® WM300B or approved equal and shall contain 10 conductors. All 10 conductors contained within multiple jacketed cable assemblies, all bundled together to form a single cable pull. The NOMINAL O.D. of this cable shall not exceed .625". The conductors within this cable shall be configured as follows.

One Data Assembly (3 conductor) #18 gauge stranded wire wrapped by an overall aluminum/mylar shield and an ORANGE .032" thick PE jacket. This shield shall have a #20 gauge TC drain wire. The conductors shall be Yellow, Orange and Green. The nom. capacitance between these three conductors shall be 24.0 pF/foot.

One Audio Assembly (2 conductor) #18 gauge stranded wire wrapped by an overall aluminum/mylar shield and a GRAY .032" thick PVC jacket. The shield shall have a #20 gauge TC drain wire. The conductors shall be Violet and Gray. The nom. capacitance between these two conductors shall be 24.0 pF/foot.

One Power Assembly (3 conductor) #18 gauge stranded wire wrapped by an overall aluminum/mylar shield and a GREEN .015" thick PVC jacket. The shield shall have a #20 gauge TC drain wire. The conductors shall be RED, BROWN and BLUE. The nom. capacitance between these two conductors shall be 43.0 pF/foot.

One Ground Assembly (2 conductor) #16 gauge stranded wire and a BLACK .020" thick PVC jacket. The conductors shall be Red and Black.

WM300B Multiplex Nurse-Call Cable

Alpha Communications® WM300B control cable is specially made for use with the NC300II series microprocessor nurse call system. The cable features the precise combination of conductors and shielding necessary to provide optimum performance of the NC300II system. The WM300B control cable is also used for the HC345C series microprocessor Emergency-Call System.

The cable provides for simple installation, as all wire necessary for connection of the central processing equipment to master, patient, staff, duty and other addressable stations is contained in a single bundle. The individually shielded and jacketed Data, Audio and Power assemblies with drain wire(s) ensure clear, noise-free audio communication.

FEATURES

- Single cable wiring (multiplexed/addressable)
- Specialized wire combination for optimum performance
- Simple installation
- Individually shielded and jacketed Data, Audio and Power Assemblies

Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.

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WM300B Multiplex Nurse-Call (bundled) Control Cable

FEATURES

- UL Listed NEC Type CL2 or CL3/CM
- Bare Copper Conductors

APPLICATIONS

Can be used within buildings as long as the area is not a plenum or riser area.

Data Assembly (1 twisted pair plus 1 cond.)

AWG Size	18
Stranding	7 x 26 BC
Nom. Insulation Thickness	.017 PE
Shielded Type and % Coverage	Aluminum Mylar Foil 100%
Drain Wire Size	20 TC
Color Code	Yellow/Orange Green
Assembly Jacket	0.245 PE (Orange)

Audio Assembly (1 twisted pair)

AWG Size	18
Stranding	7 x 26 BC
Nom. Insulation Thickness	.017 PVC
Shielded Type and % Coverage	Aluminum Mylar Foil 100%
Drain Wire Size	20 TC
Color Code	Violet/Gray
Assembly Jacket	0.235 PVC (Gray)

Power Assembly (3 conductors)

Conductors	3
AWG Size	18
Stranding	7 x 26 BC
Nom. Insulation Thickness	.009 PVC
Shielded Type and % Coverage	Alum. Mylar Foil 100%
Drain Wire Size	18 (7 x 26) BC
Color Code	Red/Brown/Blue
Assembly Jacket	0.175 PVC (Green)

Ground Assembly (2 conductors)

AWG Size	16
Stranding	26 STR BC
Nom. Insulation Thickness	.010 PVC
Color Code	Red/Black
Assembly Jacket	0.183 PVC (Black)