

# MT. SAN ANTONIO COLLEGE TELECOMMUNICATION CABLING SPECIFICATIONS

## COMMUNICATION HORIZONTAL STATION CABLING SPECIFICATIONS

The telecommunications infrastructure shall be installed by a certified telecommunications low voltage contractor with material and labor covered under extended warranties for compliance with the Mt. San Antonio College standards. A minimum 25-year warranty from an approved manufacturer is required. A Panduit structured cabling system with Belden cabling is the College standard.

Horizontal, Category 6, copper station cables will be installed from each outlet jack (per drawings) to the BDF or IDF following the college cabling color standards. When dealing with modular furniture, contractor is to provide a data whip furniture feed with Category 6 cables for connectivity to outlet jack locations and coordinate with furniture installer and project manager. All cables are to be terminated to a Category 6 patch panel in a two-post rack. Refer to Telecommunication Plan Drawings for data drop quantities and locations.

### CABLING - STANDARD INTERIOR LOCATIONS

PRODUCT NO.	PRODUCT DESCRIPTION
2413-D15	Belden CAT6+, 4-Pair, U/UTP-Unshielded, Plenum-CMP Cable - Blue
2413-008	Belden CAT6+, 4-Pair, U/UTP-Unshielded, Plenum-CMP Cable - Gray
2413-010	Belden CAT6+, 4-Pair, U/UTP-Unshielded, Plenum-CMP Cable - Black
2413-004	Belden CAT6+, 4-Pair, U/UTP-Unshielded, Plenum-CMP Cable - Yellow

Standard voice and data outlets will consist of a 2, 3 or 4 category 6 plenum cable drops terminated on category 6 jacks (Panduit Mini-com) in a (2) two-port, (4) four-port or (6) six port faceplate (Panduit), depending on the application or space supported. Horizontal station cabling is to be terminated on Panduit Mini-com jacks, matching the color of the Belden category 6 station cabling. Use blank module for all unused position on faceplates (Panduit Part # CMBIW-X – matching color of faceplate)

### MODULAR JACKS - (Color to Match Color of CAT6 Cable)

PRODUCT NO.	PRODUCT DESCRIPTION
CJ688TGBU	Panduit Mini-Com TX6 Jack Module - Blue
CJ688TGIG	Panduit Mini-Com TX6 Jack Module - Gray
CJ688TGBL	Panduit Mini-Com TX6 Jack Module - Black
CJ688TGYL	Panduit Mini-Com TX6 Jack Module – Yellow

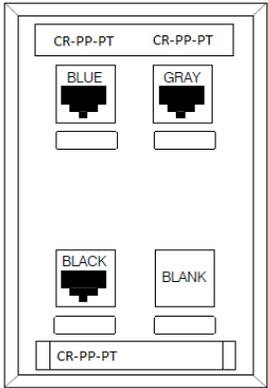
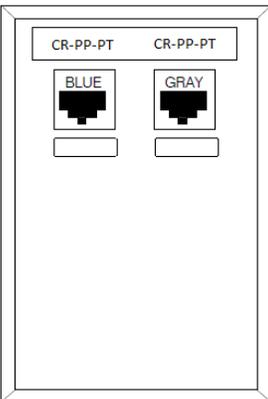
### FACEPLATES - (Panduit Mini-Com Classic Series)

PRODUCT NO.	PRODUCT DESCRIPTION
CFPL2WH*Y	Panduit Mini-Com 2 Position Vertical Faceplate
CFPL3WH*Y	Panduit Mini-Com 3 Position Vertical Faceplate
CFPL4WH*Y	Panduit Mini-Com 4 Position Vertical Faceplate
CMBIW*-X	Panduit Mini-Com Blank Module
KWP6PY	Panduit Phone Plate with CAT6 Keystone Jack Module (Wall Mount Phone Applications)

## TELECOMMUNICATION LEGEND

SYMBOL	DESCRIPTION
	<b>VOICE / DATA OUTLET - WALL MOUNTED.</b> Provide and install (3) CAT 6 cables / jacks terminated in a 4-port faceplate at 18" aff. Color of CAT 6 cables and jacks are to match.
	<b>DATA OUTLET - CEILING MOUNTED.</b> Provide and install (4) CAT 6 cables / jacks terminated in a 2-port faceplate at finished ceiling. Color of CAT 6 cables and jacks are to match.
	<b>FURNITURE FEED DEDICATED JUNCTION BOX.</b> Provide and install 5s junction box with (2) 2" conduits to accessible ceiling. For communications cabling only.
	<p><b>WIRELESS ACCESS POINT OUTLET - CEILING MOUNTED.</b> Provide and install (2) CAT 6 cables / jacks terminated in a surface mount box above finished ceiling. Color of CAT 6 cables and jacks are to match. (NOTE: at hard lid ceiling locations provide and install 4s JBox with 1-1/4" conduit stubbed to accessible ceiling location. Provide bushings and pull-string, terminate cables on jacks in 2-port face plate.</p> <p>Connect the OFCI wireless access point to the ceiling mounted outlet via (1) CAT 6 patch cord. Puncture the ceiling as required for cable pass thru.</p> <p>Mount WAP to the t bar intersection below ceiling and ensure that the Category 6 patch cord is concealed.</p>

## FACEPLATES

	<p><b>WALLBOX WORKSTATION DATA OUTLET</b></p> <p>Provide (3) CAT 6 cables. Cable colors to match the color jack as noted on this detail. Faceplate to be white.</p> <p>CR = BDF/IDF PP= Rack/Patch Panel PR = Port</p>
	<p><b>CEILING MOUNTED WIRELESS ACCES POINT OUTLET</b></p> <p>Provide (2) CAT 6 cables. Cablecolors to match the color jack as noted on this detail. Faceplate to be white.</p> <p>Connect the OFCI wireless access point to the ceiling mounted outlet via (1) CAT 6 patch cord. Puncture the ceiling as required for cable pass thru.</p> <p>Mount WAP to the t bar intersection below ceiling and ensure that the category 6 patch cord is concealed</p> <p>CR = BDF/IDF PP= Rack + Patch Panel PR = Port</p>