

# UQ ICT Cabling Specification

Revised on 22 July 2019

## 25 ANNEX F – TYPICAL PART LIST

This document is part of the current version of the UQ ITS Cabling Specification and it is published separately to facilitate more frequent updates based on products and technology availability. This document has to be read in conjunction with the current version of UQ ICT Cabling Specification, particularly section 24 Annex E – QGEA COMPLIANCE.

The list of typical parts for *Commscope* and *Molex* products are based on the existing installations at UQ and manufacturer's recommendations. They have to be followed as far as possible and any deviation to be informed to ITS at proposal stage to review.

Parts list for *Panduit*, *R&M* and *Siemon* are recommendations from respective manufactures and provided as an initial reference only. The respective builder/contractor has to liaise with ITS closely at the initial stages of project that is proposed to use either *Panduit*, *R&M* or *Siemon* products to have the available options reviewed by ITS.

### 25.1 Commscope

Last updated: May 2019

Products	Part Number	Description
Cable	884024508/10	Cat 6A F/UTP Cable
Jacks	2153449-2	Cat. 6A die-cast Jack without dust cover, 180° cable exit
	1711343-2	Cat 6A die-cast Jack without dust cover 90 degree
Bezel	64671116-02	Bezel Adaptor to Fit SL Keystone Jack to Clipsal - White
48 Port Patch Panel		
	760237066	48 Port C6A Patch Panel, Loaded with 48 outlets
	760229179	Rear cable manager Saddle & Velcro Kit
FOBOT	TFP-1TT00-000B	1RU empty panel, black; accommodates 1 angle left and 1 angle right adaptor packs; T-handle latch close
	TFP-24APLQ5	LC UPC adapters, blue colour, 12 adapters or 24 fibre ports per adapter pack, Left
	TFP-24APRQ5	LC UPC adapters, blue colour, 12 adapters or 24 fibre ports per adapter pack, Right
	TFP-00AP00	Blank Plates
Optical Fibre Cable		
	6462 4 448-06	CABLE O/FIBRE 6C OUT/LTUBE S/SHEATH 9um S/M CABLE BLACK - METRE
	6462 4 448-12	CABLE O/FIBRE 12C OUT/LTUBE S/SHEATH 9um S/M CABLE BLACK - METRE
	6462 4 448-24	CABLE O/FIBRE 24C OUT/LTUBE S/SHEATH 9um S/M CABLE BLACK - METRE
	6462 4 448-48	CABLE O/FIBRE 48C OUT/LTUBE S/SHEATH 9um S/M CABLE BLACK - METRE
	760004242	CABLE O/FIBRE 6C IN/RISER CSM 9um S/M LSZH YELLOW CABLE-METRE
	760004267	CABLE O/FIBRE 12C IN/RISER CSM 9um S/M LSZH YELLOW CABLE-METRE
	760019075	CABLE O/FIBRE 24C IN/RISER CSM 9um S/M LSZH YELLOW CABLE-METRE
	8-1594995-6C	CABLE OF 48 CORE OS2 IND CUT

Copper Patch Leads

NPC6ASZDB-BL050C	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 0.5m Blue
NPC6ASZDB-BL001M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 1.0m Blue
NPC6ASZDB-BL002M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 2.0m Blue
NPC6ASZDB-BL003M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 3.0m Blue
NPC6ASZDB-BL005M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 5.0m Blue
NPC6ASZDB-WT050C	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 0.5m White
NPC6ASZDB-WT001M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 1.0m White
NPC6ASZDB-WT002M	AMP Cat. 6A S/FTP Patch Cord RJ-45 LSZH 2.0m White

Voice	7022 4 001-25	1 RU 25 port Voice Patch Panel
	6468 5 043-13	Series 2 Disconnect Module, Backmount
	6450 3 025-60	Backmount Frame, 10 way
	6450 3 011-00	Backmount Frame, 55 way

## 25.2 Molex

Last updated: June 2019

Products	Part Number	Description
Cable		
	CAA-0322L-VL	Category 6A F/UTP or U/FTP, LSZH rated cable for horizontal cabling
	<span style="color: red;">new</span> CAA-0041-BL	Category 6A U/FTP Gel Filled OSP Cable PE (UV) Nylon Sheated - 305m reel
Jacks		
	MMC-00017-02	Cat 6A, die-cast jack with integrated sheild, 180° cable exit
	MMC-00020-02	Cat 6A, die-cast jack with integrated sheild, 90° cable exit
		Adaptor (if required) to fit the jack in Clipsal facepate - MOLEX INCLUDED
Patch Panel		
	PID-00217	Cat 6A, 24 port, 1RU patch panel with/supporting shielded jacks
	SP135656	Cat 6A, 48 port, 1RU patch panel with/supporting shielded jacks
		Jacks for the patch panel if to be ordered seperately
Copper Patch Leads		
	TBA	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, BLUE -0.5M
	PCD-07000-0H	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, BLUE 1M
	PCD-07001-0H	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, BLUE 2M
	PCD-07002-0H	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, BLUE 3M
	PCD-07004-0H	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, BLUE 5M
	TBA	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, WHITE 0.5M
	PCD-07000-0W	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, WHITE 1M
	PCD-07001-0W	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, WHITE 2M
	PCD-07002-0W	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, WHITE 3M
	PCD-07004-0W	Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, WHITE 5M
FOBOT		
	RFR-00311	1RU FIBRE SLIDEOUT ENCLOUSER

AFR-00454-BL	48 port, 1RU, OS2 LC FASCIA
AFR-00470	24 FIBRE SPLICE TRAY TWIN PACK
91.L0.832.00B00-6	LC OS2 PIGTAIL 6 PACK

Optical Fibre Cable

	OS1/2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath
AFOUS0060S1	06 core OS1/2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath
AFOUS0120S1	12 core OS1/2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath
AFOUS0240S1	24 core OS1/2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath
AFOUS0480S1	48 core OS1/2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath
	OS1/2, indoor, tight buffered, LSZH rated
AFOIR0060S1	06 core OS1/2, indoor, tight buffered, LSZH rated
AFOIR0120S1	12 core OS1/2, indoor, tight buffered, LSZH rated
AFOIR0240S1	24 core OS1/2, indoor, tight buffered, LSZH rated
AFOIR0480S1	48 core OS1/2, indoor, tight buffered, LSZH rated

Voice

	Cat 3, 25 port , 1RU voice patch panel
PID-00145	Cat 3, 50 port , 1RU voice patch panel
DCN-00001	Disconnect Module
DCN-00085	Wall mount frame for disconnect module 11 WAY
DCN-00086	Wall mount frame for disconnect module 27 WAY
PID-00117	Rack mount frame for disconnect module 1RU 30 PAIR
PID-00123	Rack mount frame for disconnect module 2RU 90 PAIR
PID-00124	Rack mount frame for disconnect module 3RU 150 PAIR

25.3 Panduit

Products	Part number	Description
Cable	PFL6X04WH-CEG	Copper Cable, Cat 6A, 4-Pair, 23 AWG, F/UTP, LSZH, White, 1000ft/305m reel
	PFL6X04BU-CEG	Copper Cable, Cat 6A, 4-Pair, 23 AWG, F/UTP, LSZH, Blue, 1000ft/305m reel
Jacks	CJS6X88TGY	Mini-Com Module, Cat 6A, Shielded, 8 pos 8 wire, Universal, TG Style
	CJSH6X88TGY	Cat 6A Spring Shuttered Jack, Shielded, (BL), TG Style
	CAFPAAWH-X	Faceplate Adapter, Australian, White
	SPS6X88-C	8-position, 8-wire modular plug, for use with Panduit TX6A shielded copper cable.
Patch Panel	CP24BLY	Patch Panel, 1RU 24 Port, All Metal, Black
	CP48HDBL	Patch Panel, 1RU 48 Port, All Metal, Black
	CJS6X88TGY	Mini-Com Module, Cat 6A, Shielded, 8 pos 8 wire, Universal, TG Style

Copper Patch Leads	STP6C0.5MBU	Cat 6A F/UTP Patch Cord, CM/LSZH, Blue, 0.5m
	STP6C1MBU	Cat 6A F/UTP Patch Cord, CM/LSZH, Blue, 1m
	STP6C2MBU	Cat 6A F/UTP Patch Cord, CM/LSZH, Blue, 2m
	STP6C3MBU	Cat 6A F/UTP Patch Cord, CM/LSZH, Blue, 3m
	STP6C5MBU	Cat 6A F/UTP Patch Cord, CM/LSZH, Blue, 5m
	STP6C0.5M	Cat 6A F/UTP Patch Cord, CM/LSZH, white , 0.5m
	STP6C1M	Cat 6A F/UTP Patch Cord, CM/LSZH, white , 1m
	STP6C2M	Cat 6A F/UTP Patch Cord, CM/LSZH, white 2m
	STP6C3M	Cat 6A F/UTP Patch Cord, CM/LSZH, white , 3m
	STP6C5M	Cat 6A F/UTP Patch Cord, CM/LSZH, white , 5m
FOBOT	CFAPPBL1	Fiber Adapter Patch Panel 1 RU
	FMT1	Rack Mount Fiber Tray 1 RU
	FCE1U	Rack Mount Fiber Enclosure 1RU
	FAP6WBUDLCZ	FAP w/6 LC Dupl AdapterS (BU) Zirconia
	FOSMF	Fiber Optic Splice Module 24 Fusion For Rack Mount Enclosure
	NKFP91BN1NKM001	NK 1-fiber OS2 LC to pigtail, 900µm tight buffered cable, 1m (12-color pigtail set)
	NKFP92ELLLSM001	NK 2-fiber OS2 1.6mm LSZH Jacket Patch Cord LC Duplex to LC Duplex - 1m
	NKFP92ELLLSM002	NK 2-fiber OS2 1.6mm LSZH Jacket Patch Cord LC Duplex to LC Duplex - 2m
	NKFP92ELLLSM003	NK 2-fiber OS2 1.6mm LSZH Jacket Patch Cord LC Duplex to LC Duplex - 3m
Optical Fibre Cable (Outdoor)	FLCL906Y	6-fiber OS2 singlemode low smoke zero halogen rated outdoor central cable
	FLCL912Y	12-fiber OS2 singlemode low smoke zero halogen rated outdoor central cable
	FLNL924Y	24-fiber OS2 singlemode low smoke zero halogen rated outdoor stranded cable.
	FLCL906Y	48-fiber OS2 singlemode low smoke zero halogen rated outdoor stranded cable.
Optical Fibre Cable (Indoor)	FLKL906	6-fiber OS2 singlemode LSZH indoor/outdoor all-dielectric cable w/tight buffered fibers
	FLKL912	12-fiber OS2 singlemode LSZH indoor/outdoor all-dielectric cable w/tight buffered fibers
	FLKL924	24-fiber OS2 singlemode LSZH indoor/outdoor all-dielectric cable w/tight buffered fibers
	FLKL948	48-fiber OS2 singlemode LSZH indoor/outdoor all-dielectric cable w/tight buffered fibers
Voice	DP245E88TGY	Punchdown Patch Panel, Cat 5e, Flat, 24 Port, 1RU

## 25.4 R&amp;M

Products	Part #	Description
Cable	R308247	Category 6A F/UTP or U/FTP, LSZH rated cable for horizontal cabling
Jacks	R813505	Cat 6A, die-cast jack with integrated sheild, 180° cable exit
	R833665	Cat 6A, die-cast jack with integrated sheild, 90° cable exit
	R795209	Adaptor (if required) to fit the jack in Clipsal faceplate
Patch Panel	R813483	Cat 6A, 24 port, 1RU patch panel with/supporting shielded jacks
	R837065	Cat 6A, 48 port, 1RU patch panel with/supporting shielded jacks
	R813505	Jacks for the patch panel if to be ordered seperately
Copper Patch Leads		Cat 6A, F/UTP or U/FTP, LSZH Patch Lead 1.0m, (blue or manufacturer's standard colour) All available lenghts from 0.5 to 5.0m
	R834181 (0.5m Blue)	R830761 (1M) R834182 (1.5M) R830762 (2M) R830763 (3M) R830764 (5M)
		Cat 6A, F/UTP or U/FTP, LSZH Patch Lead, white All available lenghts from 0.5 to 5.0m
	R837002 (1m light grey)	R837003 (2M) R837005 (3M) R837006 (5M) 0.5M P/N not available but is possible. Thinline cords
FOBOT	R795926	48 port, 1RU, LC connector, fibre optic breakout terminal
		Adapor plates and other accessories as required
	R820419	LC-D SM adapter
	R809342	Blanking plug for unused ports
	R308444	Additional Splice Tray
	R795609	12Pk LC SM pigtails
Optical Fibre Cable		OS2, outdoor, loose tube, gel-filled, LSZH rated with sacrificial sheath ( <b>Non Sac Sheath</b> )
	R312797	06 core
	R304156	12 core
	R304157	24 core
	R304158	48 core
		OS2, indoor, tight buffered, LSZH rated
	R795828	06 core (tight buffer)
	R795829	12 core (tight buffer)
	R795830	24 core (tight buffer)
	R314515	48 core (LSZH loose tube)
Fibre patch leads		LC-LC SM Standard (any length available)
	R317465	2m
	R316491	3m

	R317478	5m
		LC-LC SM skinny (any length available)
	R833970	2m
	R833973	3m
	R833975	5m
Voice	R35115	Cat 3, 25 port , 1RU voice patch panel
	R35115	Cat 3, 50 port , 1RU voice patch panel
	R35116	Connection module
	R35117	Blanking cover
	R300040	Disconnect Module
	R300009	Wall mount frame for disconnect module
	R300662	Rack mount frame for disconnect module
	R300663	Rack mount frame mounting kit

## 25.5 Siemon

Last updated: August 2019

Products	Part number	Description
Cable		
	9A6L4-A5	CBL,CPR,CAT6A,A5,4-PR,SLD,F/UTP,LSOH-1,VLT,RL,305M,23AWG
	9A6O4-A5-01-R1A	Category 6A Outside Plant Direct Burial Cable, 4-pair, 23-AWG, F/UTP, Black, 305m (1000 ft.) Reel
Jacks		
	Z6A-SK02	OUTLET,ZMAX,SHLD,CAT6A,RJ45,KEYSTN,WHT,TL-LSS,T568A/B
	Z-TOOL	ZMAX TERMINATION TOOL
	Z6A-45-SK02	OUTLET,ZMAX45,SHLD,CAT6A,RJ45,KEYSTN,WHT,TL-LSS,T568A/B - TOP / BOTTOM ENTRY OUTLET
	Z-TOOL-45	TOOL,Z-MAX SIDE ENTRY,TERMINATION TOOL
Keystone Bezel for Clipsal Plate		
	MX-CKN-02	FPLT ADPTR,1 OPEN,CLPSAL KEY,WHT,10PK
Patch Panel		
	Z6AS-PNL-24K	Z-MAX 24-Port, CAT 6A Shielded Patch Panel, Kit, 1 RMS, Black, with Jacks
	Z6AS-PNL-U48K	Z-MAX 48-Port, CAT 6A Shielded Patch Panel Kit, 1 RMS, Black, with Jacks
Copper Patch Leads		
	ZM6A-S0.5M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,0.5M
	ZM6A-S01M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,1M
	ZM6A-S1.5M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,1.5M
	ZM6A-S02M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,2M
	ZM6A-S2.5M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,2.5M
	ZM6A-S03M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,3M
	ZM6A-S3.5M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,3.5M
	ZM6A-S04M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,4M

ZM6A-S4.5M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,4.5M
ZM6A-S05M-06	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,BLU,CLR,5M
ZM6A-S0.5M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,0.5M
ZM6A-S01M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,1M
ZM6A-S1.5M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,1.5M
ZM6A-S02M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,2M
ZM6A-S2.5M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,2.5M
ZM6A-S03M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,3M
ZM6A-S3.5M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,3.5M
ZM6A-S04M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,4M
ZM6A-S4.5M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,4.5M
ZM6A-S05M-02	PC,RJ45,RJ45,6A,S/FTP,T568A/B,STR,CM/LSOH1,WHT,CLR,5M

#### FOBOT

FCP3-DWR	FBR,ENCL,FCP,RACK MNT,1U,SLIDE,3 OPENS,BLK
RIC-F-LSU16-01C	FBR,ADPTR PLT,RIC,16F,LCU SHUTTERED,FLT,BLU ADPTR,BLK HSG,CER SLV - OS2 ADAPTOR PLATE
RIC-F-BLNK-01	FBR,ADPTR PLT,RIC,FLT,BLK HSG,BLANK
TRAY-3	STANDARD SPLICE TRAY FOR UP TO 24 FUSION SPLICES
FP1B-LC5V-01AQB	Fiber, Pigtail, Simplex, 900um Buffered, XGLO, Multimode, LC, OM4, 50/125, Aqua, OFNR, 1 Meter - Bulk 12 Pack
HT-40	HEAT SHRINK SLEEVE,40MM
HT-60	HEAT SHRINK SLEEVE,60MM
CF-40	Compression Fitting (5.8 - 13.9mm)
CF-51	Compression Fitting (11.4 - 18.0mm)
CF-60	Compression Fitting (15.0 - 25.4mm)

#### Fibre Patch Leads

FJ2-LCLC5V-01AQ	JMP,DPLX,XGLO,LC,LC,OM4,AQA,OFNR,1M
FJ2-LCLC5V-02AQ	JMP,DPLX,XGLO,LC,LC,OM4,AQA,OFNR,2M
FJ2-LCLC5V-03AQ	JMP,DPLX,XGLO,LC,LC,OM4,AQA,OFNR,3M
FJ2-LCLC5V-04AQ	JMP,DPLX,XGLO,LC,LC,OM4,AQA,OFNR,4M
FJ2-LCLC5V-05AQ	JMP,DPLX,XGLO,LC,LC,OM4,AQA,OFNR,5M

#### Optical Fibre Cable

9F8LD4-6B1.00	Cable, 6 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Outside Plant, Loose Tube, GEL, Non-Armored, MDPE, Black, 1 Kilometer
9F8LD4-12D1.00	Cable, 12 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Outside Plant, Loose Tube, GEL, Non-Armored, MDPE, Black, 1 Kilometer
9F8LD4-24B1.00	Cable, 24 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Outside Plant, Loose Tube, GEL, Non-Armored, MDPE, Black, 1 Kilometer
9F8LD4-48D1.00	Cable, 48 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Outside Plant, Loose Tube, GEL, Non-Armored, MDPE, Black, 1 Kilometer
9F8LB3-6B1.00	CBL,6F,XGLO,SM,OS1/OS2,IN,TB,NO ARM,LSOH3C,YEL,1KM
9F8LB3-12D1.00	CBL,12F,XGLO,SM,OS1/OS2,IN,TB,NO ARM,LSOH3C,YEL,1KM
9F8LB3-24L1.00	CBL,24F,XGLO,SM,OS1/OS2,IN,TB,NO ARM,LSOH3C,YEL,1KM
9F8LB3-48D1.00	CBL,48F,XGLO,SM,OS1/OS2,IN,TB,NO ARM,LSOH3C,YEL,1KM

Voice

HD5-24	CPR,PNL,HD,PRELD,UTP,CAT5E,24 PORT,FLT,1U,BLK,DET MGR
HD-VP-50	CPR,PNL,HD,PRELD,UTP,50 PORT,FLT,1U,BLK,FXD MGR,2PR TEL - VOICE PANEL