

# UQ ICT Cabling Specification

Revised on 04 November 2020

## 26 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 *Siemon* is the recommendations from *Siemon* and provided as an initial reference. The respective builder/contractor has to liaise with ITS closely at the initial stages of project that is proposed to use either *Siemon* products to have the available options reviewed by ITS.

### 26.1 Commscope

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
Surface Mount Enclosure		
	1-1116697-3	Surface Mount Module, 1-port, unloaded, White
	1-1116698-3	Surface Mount Module, 2-port, unloaded, White
	1-1933671-3	Surface Mount Module, 4-port, unloaded, White
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

**26.2 Molex**

Products	Part Number	Description
Cable	CAA-0322L-VL	Category 6A F/UTP or U/FTP, LSZH rated cable for horizontal cabling
	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 faceplate - 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

### 26.3 Siemon

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-25	FPLT ADPTR,1 OPEN,CLPSAL KEY,WHT,10PK
Patch Panel	Z6AS-PNL-24E	Z-MAX 24-Port, CAT 6A Shielded Patch Panel, Kit, 1 RMS, Black, with Jacks
	Z6AS-PNL-U48E	Z-MAX 48-Port, CAT 6A Shielded Patch Panel Kit, 1 RMS, Black, with Jacks
	Z6A-SP	Z-MAX 6A shielded panel outlet
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-BLKN-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

FBP-LCULCUL-01	Blade Patch OS2 - LC-LC Yellow Duplex Jumper 01Meter
FBP-LCULCUL-02	Blade Patch OS2 - LC-LC Yellow Duplex Jumper 02Meter
FBP-LCULCUL-03	Blade Patch OS2 - LC-LC Yellow Duplex Jumper 03Meter
FBP-LCULCUL-04	Blade Patch OS2 - LC-LC Yellow Duplex Jumper 04Meter
FBP-LCULCUL-05	Blade Patch OS2 - LC-LC Yellow Duplex Jumper 05Meter

Optical Fibre Cable

9PM8L006D-E206S	Cable, 6 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Mini Outside Plant
9PM8L012G-E206S	Cable, 12 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Mini Outside Plant
9PM8L024G-E206S	Cable, 24 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Mini Outside Plant
9PM8L048G-E206S	Cable, 48 Fiber, XGLO, Singlemode, OS1/OS2, 8.3/125, Mini Outside Plant
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

**26.4 Rack Technology Rack Bill of Materials****26.4.1 Type 2 – 1x 52RU 4 post Open Frame Rack**

Part Number	Description	Qty
IQOF5201	Rack Technologies IQ Open Frame 52RU	2
IQOF9509-150	Rack Technologies IQ 1RU Horiz CM 150mm Finger System	1
IQOF9502-150	Rack Technologies IQ 2RU Horiz CM 150mm Finger System	1
IQOF5240-150	Rack Technologies IQO-F Cable Manager 300W Long Fingers	4
S-SHELF-MOD-300-BL	Rack Technologies Shelf	1
IQOF9514	Rack Technologies IQ Open Frame Joining Kit Adjustable (400-600mm)	1
9075	Rack Technologies pack 100 Cage Nuts and Screws.	4
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1

**26.4.2 Type 3 – 1x 45RU Lab Rack**

Part Number	Description	Qty
IQOF4501	Rack Technologies IQ Open Frame 45RU	1
IQOF9509-150	Rack Technologies IQ 1RU Horiz CM 150mm Finger System	1
IQOF9502-150	Rack Technologies IQ 2RU Horiz CM 150mm Finger System	1
IQOF4540-150	Rack Technologies IQO-F Cable Manager 300W Long Fingers	4
S-SHELF-MOD-300-BL	Rack Technologies Shelf	1
9075	Rack Technologies pack 100 Cage Nuts and Screws.	4
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1

**26.4.3 Type 4 – 1x 52RU Lab Rack**

Part Number	Description	Qty
IQOF5201	Rack Technologies IQ Open Frame 52RU	1
IQOF9509-150	Rack Technologies IQ 1RU Horiz CM 150mm Finger System	1
IQOF9502-150	Rack Technologies IQ 2RU Horiz CM 150mm Finger System	1
IQOF5240-150	Rack Technologies IQO-F Cable Manager 300W Long Fingers	4
S-SHELF-MOD-300-BL	Rack Technologies Shelf	1
9075	Rack Technologies pack 100 Cage Nuts and Screws.	4
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1

**26.4.4 Type 5 – 2x 45RU 4 post Open Frame Rack**

Part Number	Description	Qty
IQOF4501	Rack Technologies IQ Open Frame 45RU	4
IQOF9509-150	Rack Technologies IQ 1RU Horiz CM 150mm Finger System	2
IQOF9502-150	Rack Technologies IQ 2RU Horiz CM 150mm Finger System	2
IQOF4540-150	Rack Technologies IQO-F Cable Manager 300W Long Fingers	4
IQOF4550-150	Rack Technologies IQO-F Cable Manager 400W Long Fingers	2
S-SHELF-MOD-300-BL	Rack Technologies Shelf	2
IQOF9514	Rack Technologies IQ Open Frame Joining Kit Adjustable (400-600mm)	2
9075	Rack Technologies pack 100 Cage Nuts and Screws.	2
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1

**26.4.5 Type 6 – 2x 52RU 4 post Open Frame Rack**

Part Number	Description	Qty
IQOF5201	Rack Technologies IQ Open Frame 52RU	4
IQOF9509-150	Rack Technologies IQ 1RU Horiz CM 150mm Finger System	2
IQOF9502-150	Rack Technologies IQ 2RU Horiz CM 150mm Finger System	2
IQOF5240-150	Rack Technologies IQO-F Cable Manager 300W Long Fingers	4
IQOF5250-150	Rack Technologies IQO-F Cable Manager 400W Long Fingers	2
S-SHELF-MOD-300-BL	Rack Technologies Shelf	2
IQOF9514	Rack Technologies IQ Open Frame Joining Kit Adjustable (400-600mm)	2
9075	Rack Technologies pack 100 Cage Nuts and Screws.	2
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1

**26.5 SRA Solutions Rack Bill of Material****26.5.1 Type 2 - 52RU 4 Post Open Frame Rack**

Part Number	Description	Qty.
133585	52RU 2-Post Open Frame Rack	2
133593	Adjustable Joining Kit for 4 Post Open Frame Rack	1
133591	52RU x 300mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	4
132110	1RU Horizontal Cable Manager Long Fingers	1
132168	2RU Horizontal Cable Manager Long Fingers	1
80041-0	Cage Nut Kit (50 pack)	2
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1

**26.5.2 Type 3 – 2 Post 45 RU Lab Rack**

Part Number	Product Description	Qty
133584	45RU 2-Post Open Frame Rack	1
133587	45RU x 300mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	4
132110	1RU Horizontal Cable Manager Long Fingers	1
132168	2RU Horizontal Cable Manager Long Fingers	1
80041-0	Cage Nut Kit (50 pack)	2
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1

**26.5.3 Type 4 – 2 Post 52 RU Lab Rack**

Part Number	Description	Qty.
133585	52RU 2-Post Open Frame Rack	1
133591	52RU x 300mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	4
132110	1RU Horizontal Cable Manager Long Fingers	1
132168	2RU Horizontal Cable Manager Long Fingers	1
80041-0	Cage Nut Kit (50 pack)	2

**26.5.4 Type 5 – 2x 45RU 4 Post Open Frame Rack**

Part Number	Description	Qty
133584	45RU 2-Post Open Frame Rack	4
133593	Adjustable Joining Kit for 4 Post Open Frame Rack	2
133587	45RU x 300mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	4
133588	45RU x 400mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	2
132110	1RU Horizontal Cable Manager Long Fingers	2
132168	2RU Horizontal Cable Manager Long Fingers	2
80041-0	Cage Nut Kit (50 pack)	4
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1

**26.5.5 Type 6 – 2x 52RU 4 Post Open Frame Rack**

Part Number	Description	Qty.
133585	52RU 2-Post Open Frame Rack	4
133593	Adjustable Joining Kit for 4 Post Open Frame Rack	2
133591	52RU x 300mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	4
133589	52RU x 400mm Open Frame Vertical Cable Manager with Dual Hinge Door, Long Fingers	2
132110	1RU Horizontal Cable Manager Long Fingers	2
132168	2RU Horizontal Cable Manager Long Fingers	2
80041-0	Cage Nut Kit (50 pack)	4
BRQ-Q10600A/3	B&R Cable Hanger	1
E739A	Nylex Safe-T-Step (or equivalent)	1
FS10721	Bailey Ladder - FG Platform Step 3 (150kg)	1
FS23120	Bailey Castor Kit (to be fitted by contractor)	1