



450x350mm ELY CABLE TRAY CTI AT L=650MM  
 DERL1-A/1AT001 (1XCAT7 CABLES)  
 DERL1-A/1AM11-1AM18 (2XCAT7 CABLES)  
 DERL1-A/1AT001-1AT002-1AT003-1AT004-1AT005 (5XCAT7 CABLES)  
 DERL1-A/1AT006-1AT007-1AT008-1AT009-1AT010 (5XCAT7 CABLES)  
 DERL1-A/1AT011-1AT012-1AT013-1AT014-1AT015 (5XCAT7 CABLES)  
 DERL1-A/1AT016-1AT017-1AT018-1AT019-1AT020 (5XCAT7 CABLES)  
 DERL1-A/1AT021-1AT022-1AT023-1AT024-1AT025 (5XCAT7 CABLES)  
 DERL1-A/1AT026-1AT027 (2XCAT7 CABLES)  
 DERL1-A/2A001-2A002-2A003-2A004-2A005 (5XCAT7 CABLES)  
 DERL1-A/2A006-2A007-2A008-2A009-2A010 (5XCAT7 CABLES)  
 DERL1-A/2A011-2A012 (2XCAT7 CABLES)

- NOTES:**
- CONDUIT SIZE: COMPLY WITH NFPA 70.
  - MINIMUM SIZE: 1/2" (38mm) UNLESS OTHERWISE SPECIFIED.
  - MAXIMUM SIZE OF CONDUIT IN SLAB: 1-1/4" (30mm).
- 2. LABELING SCHEME (WIRED SECTION):** WIRELESS SECTION: TELEPHONE SECTION: CTV, AMS) FOR EACH DATA RACK SHOULD BE AS FOLLOWS:
- THE FLOOR THE DER IS LOCATED AT
  - THE DER WHERE THE DATA RACKS IS LOCATED
  - THE SOCKET NUMBER
- 3. EXAMPLES:**
- 3A001 (D FOR DATA)
  - 3AW01 (W FOR WIRE)
  - 3AT01 (T FOR TELEPHONE)
  - 3AC01 (C FOR CTV)
- 3-EACH WIFI INSTALLED SHOULD HAVE A LABEL AS BELOW:**
- THE BUILDING THE WIFI AP IS LOCATED
  - THE FLOOR WHERE THE WIFI AP IS LOCATED
  - THE WIFI NUMBER ON THE FLOOR
  - EXAMPLE: AUBMCJ01.XX (F FOR FLOOR, 01 FOR FLOOR NUMBER)
- 4. BOXES IDENTIFICATION LABELED AS FOLLOWS:**
- FLOOR NUMBER-FUNCTION OF BOXES IDENTIFICATION-BOXES NUMBER
- 5-FOR DIMENSIONS AND HEIGHTS OF WALL POINTS: REFER TO DRAWING REFERENCE SD-E1060LL**
- 6-IF THE LENGTH OF FLEXIBLE LIQUID TIGHT OR FLEXIBLE METAL CONDUITS FROM FIXTURE TO TAP CONNECTIONS, AS PERMITTED IN 410.67 (C) IS 6FT (1.8M), OR LESS STRAPPING IS NOT REQUIRED**
- 7-FOR EXACT CABLE TRAY ROOTING AND DETAILS REFER TO DRAWINGS REFERENCE: SD-E190CT**
- 8-SIZES OF CONDUITS NOT SHOWN ON THE DRAWINGS ARE TO BE SELECTED IN ACCORDANCE WITH THE REGULATIONS AND IN RELATION TO NUMBER AND SIZE OF CONDUCTORS AS SHOWN IN THE TABLE BELOW:**

Cable Size (mm)	Cable Number (Number of Cables)									
	1	2	3	4	5	6	7	8	9	10
1/2"	1	2	3	4	5	6	7	8	9	10
3/4"	2	3	4	5	6	7	8	9	10	11
1"	3	4	5	6	7	8	9	10	11	12
1 1/4"	4	5	6	7	8	9	10	11	12	13
1 1/2"	5	6	7	8	9	10	11	12	13	14
2"	8	9	10	11	12	13	14	15	16	17
2 1/2"	12	13	14	15	16	17	18	19	20	21
3"	16	17	18	19	20	21	22	23	24	25
3 1/2"	20	21	22	23	24	25	26	27	28	29
4"	24	25	26	27	28	29	30	31	32	33

SOURCES: BIC SI TDMM, General Cable, Superior Essex

**TELECOM SYSTEM**

- DATA OUTLET WALL MOUNTED FOR TELEPHONE
- DUPLEX RJ45 ASSEMBLY CONSISTING OF 2 ACTIVE CONNECTORS
- RJ45 DATA OUTLET SIMPLE
- DATA OUTLET FOR WIRELESS ACCESS POINT
- DATA OUTLET CEILING MOUNTED
- DUPLEX RJ45 ASSEMBLY CONSISTING OF 2 ACTIVE CONNECTORS FLOOR MOUNTED
- TRIPLEX RJ45 ASSEMBLY CONSISTING OF 2 ACTIVE CONNECTORS AND ONE EMPTY SPACE FOR FUTURE (UTP CABLE FOR EMPTY SPACE TO BE PROVIDED NOT SHOWN ON THE DWG)
- TABLE MOUNTED BOX WITH TRIPLEX RJ45
- TV OUTLET WALL MOUNTED

**BOXES:**

- PULL BOX CEILING MOUNTED SIZE 4x4x2-1/8" IN SLAB UNLESS OTHERWISE INDICATED.
- OCTAGONAL EMBEDDED GI BOX IN SLAB UNLESS OTHERWISE INDICATED.
- PULL BOX CEILING MOUNTED SIZE 4x4x2-1/8" EXPOSED UNLESS OTHERWISE INDICATED.
- PULL BOX CEILING MOUNTED SIZE 6x6x4" EXPOSED UNLESS OTHERWISE INDICATED.
- 4"x4" WALL MOUNTED GALVANIZED STEEL PULL BOX UNLESS OTHERWISE INDICATED.
- CABLE TRAY ACCESSORIES
- ALUMINUM CABLE TRAY

**LEGEND:**

- Wiring
- CAT7 telephone or Data Cable running in slab 1" SCHEDULE 40 PVC conduit unless otherwise indicated.
- CAT7 telephone or Data Cable running in EMT conduit unless otherwise indicated.
- Fiber optic running in 1" EMT conduit unless otherwise indicated.
- CAT7 Telephone or Data cable running in 1" HDPE (12 CORE OM4) unless otherwise indicated.
- 1XCAT7 Cable

**AS PER SUBMITTAL REFERENCE MAT-E-472**  
 OUTER DIAMETER FOR CAT7 CABLE IS 7.7MM

**CABLE TRAY ACCESSORIES:**

- W: REFER TO WIFI CABLE ON CABLE TRAY
- D: REFER TO DATA CABLE ON CABLE TRAY
- T: REFER TO TELEPHONE CABLE ON CABLE TRAY

ENTRANCE PARKING