

7.	Individual pair shielding	To be provided for F-type cable
8.	Outer sheet	Extruded PVC compound YM1 with FRLS Properties
9.	Flame retardant	Yes. (Accessories such as harnessing components, markers, bedding, cable jointer, binding tape etc.)
10.	Buried cable protection	Proper bricks caging and Route markers at every 20Meters along the route & at every bend.
11.	Cable Joint	Joints for less than 250 Meters run not permitted
12.	Cable clamping	All cables laid on trays shall be neatly dressed up & suitably clamped/tied to the tray.
13.	Grounding of cable	The Bidder shall be responsible for proper grounding of all equipment. Further, proper termination of cable shields shall be verified and the grounding of the same shall be coordinated so as to achieve grounding of all instrumentation cable shields at same potential. This shall be completed prior to system tests. All the cables etc. required for grounding of all equipment supplied under this package are to be supplied by the Bidder.
14.	Cable laying	The Contractor shall take full care while laying / installing cables as recommended by cable manufacturers regarding pulling tensions and cable bends. Cables damaged in any way during installation shall be replaced free of cost.
15.	Cable conduit	<p>Conduits shall be generally used for interconnecting cables from field instruments to Local JB's. Flexible conduits shall be heat resistant lead coated steel, water leak, fire and rust proof. The temperature rating of flexible conduits shall be suitable for actual application.</p> <p>Conduit sealing, explosion proof, dust proof and other types of special fittings shall be provided as required by these specifications and shall be consistent with the area and equipment with which they are installed. Fittings installed outdoors and in damp locations shall be sealed and gasketed.</p> <p>The contractor shall provide double locknuts on all conduit terminations not provided with threaded hubs and couplings. Watertight conduit unions and rain tight conduit hubs shall be utilized for all the applications, which shall be exposed to weather. Moisture pockets shall be eliminated from conduits. Conduits shall be securely fastened to all boxes.</p>
16.	Cable Trays	The Bidder shall furnish and install the estimated quantities and sizes of perforated trays & sub trays/troughs including all fittings and adaptors.
17.	Tagging	Tagging used for cables shall be sleeve type, cross ferruling shall be solid type.

#### CCTV System