Optical Cable Questionnaire

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| Company |  |
| Contact person |  |
| Contact info (phone, e-mail) |  |
| Project title |  |
| Date of request |  |

Optical fiber

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| Fiber count |  |
| Fibers per loose tube  4, 6, 8, 12, 16, 24, 48 |  |
| Type of optical fiber  -SM G.652D,  -SM Bend Insensitive G.657A1/A2/B3  -SM NZSDF G.655  -SM G.654C/E  -MM G.651 50/125 OM2/OM3/OM4/OM5  -MM 62.5/125 OM1  -Your option |  |
| Color Coding Standard for optical fiber  - ANSI/TIA-598-D-2014  - DIN VDE  - Your option |  |

Cable design

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| Type of core  - Stranded loose tubes  - Central tube (PBT or Steel)  - Tight buffers  - Bundles (micro tubes)  - Your option |  |
| Water-blocking (WB) elements  - None  - Gel-filled design  - Gel-filled loose tubes, dry WB elements in core and in protective layers  - Dry WB elements in tubes, in core and in protective layers |  |
| Inner jacket  - None  - Polyethylene  - Low smoke zero halogen |  |
| Protective layers  - None  - Galvanized steel wire armor  - Corrugated steel tape armor  - Fiberglass yarns  - Aramid yarns  - FRP rods armor  - Your option |  |
| Outer jacket  - Polyethylene  - Low smoke zero halogen  - Polyamide  - Your option |  |
| Ripcords under jackets  - None  - One unit under jacket  - Two units under jacket |  |
| Additional elements  - FRP rods in the jacket  - Steel wires in the jacket  - Remoted stranded steel wire  - Aluminum tape  - Additional WB tape  - Your option |  |

Parameters

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| Acceptable diameter range, mm |  |
| Long-term tensile strength (operation), kN |  |
| Short-term tensile strength (installation), kN |  |
| Allowable crush load, kN/cm |  |
| Operation temperature range, оС |  |
| Minimum bending radius, mm |  |
| Maximum reel length, km |  |
| Total cable length, km |  |
| Fire safety requirements  - Flame retardant IEC 60332-3  - Fire resistant IEC 60331  - Halogen-free IEC 60754  - Low smoke emission IEC 61034  - CPR class |  |
| Other parameters |  |

Application of cable / Technical task to solve

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If you have a datasheet or technical description with design dimensions and materials of the required cable, please attach it to the questionnaire. If you need an identical cable, please specify that the analogues are not allowed.

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| Analogues are allowed | YES / NO |

Other information and requirements

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Please, send the completed questionnaire to: [inquiry@emcab.co](mailto:%20inquiry@emcab.co)