1. **GENERAL DATA AND INFORMATION:**

Serial .no: Manufacturer:

Cable size Rated voltage

Cable length: Rated current:

1. **MECHANICAL CHECKS & VISUAL INSPECTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Checked | |
| 1 | Inspect For Physical Damage or Defects | ❑Yes | ❑N/A |
| 2 | Verify All Cable Connections As Per Drawing | ❑Yes | ❑N/A |
| 3 | Check all cables and cores are labeled correctly | ❑Yes | ❑N/A |
| 4 | Check tightness of terminals and confirm the cables are secured | ❑Yes | ❑N/A |
| 5 | Check cable size against rating required | ❑Yes | ❑N/A |
| 6 | Check cable entry path trench or ducts are to be properly sealed | ❑Yes | ❑N/A |
| 7 | Check for proper cable support, clamping trays, blocking | ❑Yes | ❑N/A |
| 8 | Check cable bends to ensure that the bending radius is equal to or greater than that specified | ❑Yes | ❑N/A |
| 9 | Visual inspection, size and rating confirmation | ❑Yes | ❑N/A |
| 10 | Check that phases are identified and color  Coded | ❑Yes | ❑N/A |

1. **ELECTRICAL TESTS:**
   1. **CONTINUITY CHECK:**

|  |  |  |
| --- | --- | --- |
| Phase | | Continuity resistance checked |
| R | Y-B gnd |  |
| Y | R-B gnd |  |
| B | Y-R gnd |  |

Criteria**:**

* 1. **SHEATH INSULATION RESISTANCE AT 1000 V:**

|  |  |  |
| --- | --- | --- |
| Applied phase | Measured insulation resistance (MΩ) | Remarks |
| R - phase |  |  |
| Y - phase |  |  |
| B - phase |  |  |

Criteria:

* 1. **INSULATION RESISTANCE TEST AND PHASING CHECK BEFORE AND AFTER HV TEST:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phase | Insulation resistance before HV test (5000v) | | Insulation resistance after HV test (5000v) | | Phase checking |
|
| R | Y – B Gnd |  | Y – B Gnd |  |  |
| Y | B - R Gnd |  | B - R Gnd |  |  |
| B | R – Y Gnd |  | R – Y Gnd |  |  |

Criteria:

1. **A.C. HIGH VOLTAGE TEST (TEST FREQUENCY = 60 HZ)**

Applied voltage= 16 k.V. Time duration =60 Min

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Injected phase** | **Connected to earth** | **Leakage current in mA** | | | |
| **15mn** | **30min** | **45min** | **60min** |
| **R** | **Y+B** |  |  |  |  |
| **Y** | **B+R** |  |  |  |  |
| **B** | **R+Y** |  |  |  |  |

Criteria**:**