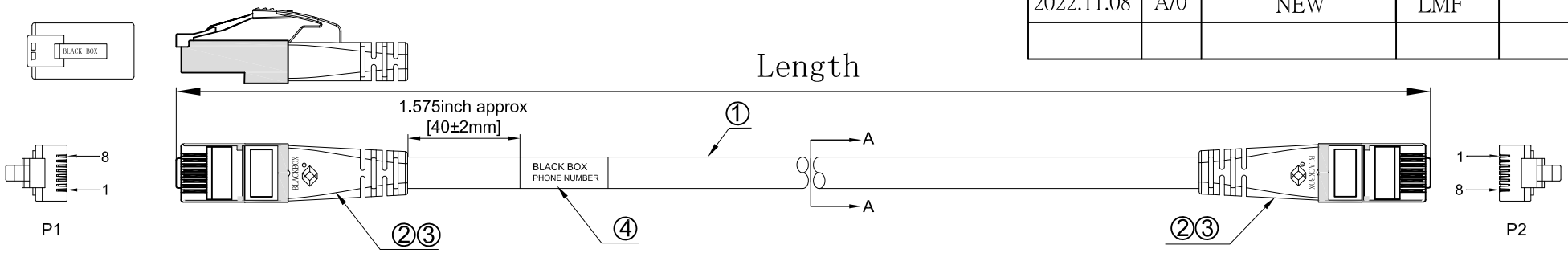
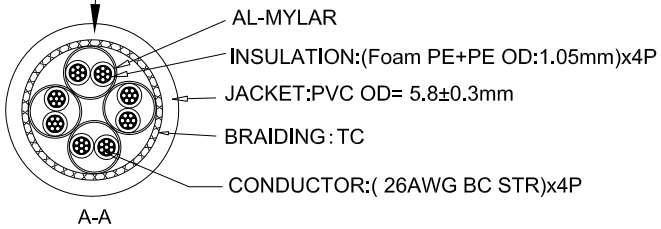
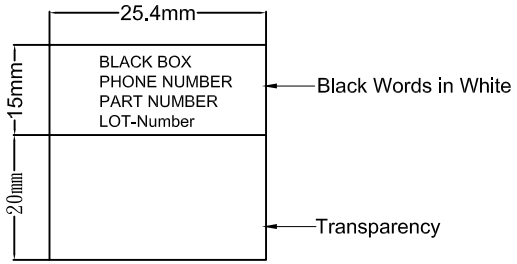
| DATE | REV | DESCRIPTION | BY | CHKD |
|---|---|---|---|---|
| 2022.11.08 | A/0 | NEW | LMF | |
| | | | | |




Marking: BLACK BOX CORPORATION --- GIGATRUE CATEGORY 6 SHIELDED --- TESTEDTO 250MHZ --- ▲ E196163-Y CM (UL) c(UL) S/FTP 60℃ 4PR 26AWG STR ▲ 3P VERIFIED TO ANSI/TIA-568.2-D & ISO/IEC 11801-1 & EN 50288-5-2 & IEC60332-1-2 MM-YY




LABEL

| | | |
|---|---|---|
| Conductor | | Bare Copper 26AWG<br>7/0.0060inch approx |
| Insulation | | Thickness:MIN at any point:0.0079inch<br>MAX AVG:0.0138inch<br>Diameter:0.0421inch approx |
| Jacketing | PVC | Thickness:MIN at any point:0.0197inch<br>MAX AVG:0.0217inch<br>Diameter:0.2284inch approx |
| WIRE | | CAT.6 S/FTP Stranded 26AWGX4P |
| PLUG | | Assembly+BOOT 8P8C 50u"(1.27μm) Gold<br>3 piece plug (film+stand+plug) |
| COLOR | | GRAY |

RJ45 Plugs Standard-IEC 60603-7

| No. | TITLE | DESCRIPTION | Q'TY |
|---|---|---|---|
| ④ | Label | Cable Label 35x25.4mm | 1PC |
| ③ | Boot | Transparent Boot Marking "BLACK BOX" | 2PCS |
| ② | Plug | RJ45 8P8C 50u" Shielded Marking "BLACK BOX" | 2PCS |
| ① | Cable | LAN CABLE Cat.6 S/FTP 26AWGx4P STR PVC CM | A/R |

Note:
1.Channel Test
2.100% Test(Open,short,miswire)
3.Contact Resistance:2Ω Max.
4.Insulation Resistance:DC/250V,10 MΩ Min. For 0.01s
5.Hi-pot Test:AC/250V 5mA Max. For 0.01s
6.All Material meet the RoHS2.0，Reach

Attenuation (Maxinmum):35.9dB @250MHZ
Cable Type:4-pair S/FTP
Conductor Gauge:26AWG, stranded
Frequency:Up to 250MHZ
Impedance:100±15 ohms
NEXT (Minimum):33.1dB @250MHZ
PS-NEXT (Minimum):30.2dB @250MHZ
Return Loss (Minimum):8dB @250MHZ
Standards:ANSI/TIA-568.2-D CAT.6 Channel

PINOUT

| P1(T568B) | P2(T568B) | WIRE |
|---|---|---|
| 1 | 1 | WHITE/ORANGE |
| 2 | 2 | ORANGE |
| 3 | 3 | WHITE/GREEN |
| 6 | 6 | GREEN |
| 4 | 4 | BLUE |
| 5 | 5 | WHITE/BLUE |
| 7 | 7 | WHITE/BROWN |
| 8 | 8 | BROWN |
| Shield | Shield | BRAID |

Tolerance:
X. ±
.X ±
.XX ±
.XXX ±
Angle:
X° ±
.X° ±

BLACK BOX

| | | | |
|---|---|---|---|
| Approved by: | | P/N:C6PC70S-GY-XX | |
| Drawn by:LMF | | Description:Cat.6 S/FTP #26 +Locking Snagless Boots | |
| Date:2022.11.08 | | DWG. NO: | |
| Scale: | Unut:mm | AHEET: 1 OF 1 | REV:03 |

GFWC-S220256