

Nawras
P.O. Box 874
P.C. 111
Central Post Office
Sultanate of Oman
Tel: +968 2200 2200
Fax: +968 2200 2299
www.nawras.om

OMANI QATARI TELECOMMUNICATIONS COMPANY S.A.O.G.
C.R. No. 1/77152/3



النورس
ص.ب: ٨٧٤
الرمز البريدي: ١١١
البريد المركزي
سلطنة عمان
هاتف: +٩٦٨٢٢٠٠٢٢٠٠
فاكس: +٩٦٨٢٢٠٠٢٢٩٩
www.nawras.om
الشركة العمانية القطرية للاتصالات ش.م.ع.ج.
س.ت. رقم ١/٧٧١٥٢/٣

30th of May 2013

TO WHOM IT MAY CONCERN

Having gone through the specifications of Fiber Optic Cable (FOC) manufactured by ETK KABLO SAN.TIC.A.S., TURKEY; we find it suitable to be used in Nawras In-Building Cabling Solutions in drop/distribution section. Below are the salient specifications of FOC for which "Type Approval" has been processed.

ITEM	DESCRIPTION	ITEM	DESCRIPTION
Cable Manufacturer	ETK KABLO SAN.TIC.A.S., TURKEY	Brand Name	2-4 cores 1-V(BN)H nx1 (LSZH)
Cable Type	INDOOR TIGHT BUFFER CABLE	Fiber Brand	
Fiber Count & Type	02F (G.657.A1), 04F (G.657.A1), 12F (G.657.A1)	Outer Sheath	UV Resistant HFFR
Cable Diameter	2F (4.8 mm), 04F (5.5 mm) [Nominal]	Outer Sheath Thickness	1.0 mm
Max. Installation Tension	1,000 N	Outer Sheath Color	Green
Crush	3,000 N/10cm	Impact	20J
Attenuation (dB/Km)	≤ 0.35 dB/Km @1310 nm ≤ 0.35 dB/Km @1383 nm ≤ 0.25 dB/Km @1460 nm ≤ 0.21 dB/Km @1550 nm ≤ 0.23 dB/Km @1625 nm	Chromatic Dispersion (ps/nm.Km)	≤ 3 @ 1285-1330 nm ≤ 18.0 @ 1550 nm ≤ 22.0 @ 1625 nm
Reference	Refer specs. sheets for detailed specs.		

All agreed upon Optical, Physical, Mechanical & Environmental Performance Testes will be performed before delivery of FOC. The approval is valid for a period of 2 years from issuance date.

Yours Sincerely,



Saud Ahmed Al-Suleimany
Department Head - Transmission,
Omani Qatari Telecommunications Company SAOG