Product Datasheet
ACOPTIC®

ACOME
Telecom networks and infrastructures

PAD1828 – Indoor Distribution cable – Home PACe with semi-tight buffered 900µm fiber

Permanent Accessibility by mid span access for suscriber connexion with splicing.
Up to 48 Fibers – Indoor – Dielectric – LSOH.

APPLICATIONS

ACOME Home-PACe range has been designed to meet the needs of riser cable installation in building utility shafts or common areas, either directly or in conduits.

The ACOME range Home-PACe PAD1828 has been designed to allow permanent accessibility to fibers through the sheath with splicing with customer cables.

This cable comprises modules with 900µm diameter fibers, which are protected by a zero halogen (LSOH) fire retardant sheath. (semi-tight technology)

The low friction coefficient of the semi-tight modules, as well their mechanical properties, makes it easy to extract up to 20 meters of cable. Then, the subscriber's connection is done through a simple cord.
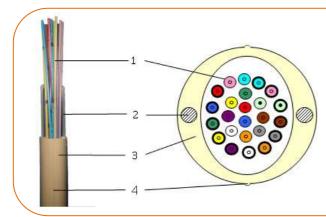
MAIN SPECIFICATIONS

		Range 1239 Up to 10 Fo	Range 1225 Up to 14 Fo	Range 1189 Up to 24 Fo	Range 1190 Up to 48 Fo
Nominal outside diameter (mm)		6.75	8.5	10.5	13.5
Tensile strength (N)		300	500		600
Maximum Crush resistance : reversibility		100	200		
Minimum bend radius (mm)		65	90	100	130
Maximum lenght of use		100 m			
Fire performance (CPR)		D_{CA}-s2,d2,a2			
Temperatures	Storage and Transport	-40 / +70 °C			
	Installation	-5 / +50 °C			
	Operation	-15 / +60 °C			
Standard packaging		Reel of 4000m			
Storage		Indoor			

Marking black: Year and week of manufacture– ACOME – H-PACe – number and type of fibers – ISS – product ref. + metrics

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DESCRIPTION

Key:

① **Optical fiber:** 1 to 48 single-mode Fibers 900µm semi-tight buffered with access to the fiber 1m/min.

② **Strength members:** Peripheral FRP (Fiber Reinforced Plastic) strength members

③ **Outer sheath:** Zero Halogen, Fire Retardant (LSOH), UV Stabilized Ivory, compliant EN 50290-2-27.

④ **Sheath opening marking:** Generating line (embossing)

FIBER COLOR CODES

Standard color codes (colors 1 to 12)

1	2	3	4	5	6	7	8	9	10	11	12
Red	Blue	Green	Yellow	Violet	White	Orange	Gray	Brown	Black	Turquoise	Pink

Semi tight modules color codes

Red	Blue	Dark green	Yellow	Violet	White	Orange	Gray	Brown	Light Green	Turquoise	Pink	Number of black rings
1	2	3	4	5	6	7	8	9	10	11	12	1
13	14	15	16	17	18	19	20	21	22	23	24	2
25	26	27	28	29	30	31	32	33	34	35	36	3
37	38	39	40	41	42	43	44	45	46	47	48	4

REFERENCES ACOME

	Capacity	References standards ACOME With single-mode fiber ACSM7A2 (*)	Weight (kg/km)
Range 1239	8 fibers	N9147A	33
Range 1225	12 fibers	N8749A	69
Range 1189	24 fibers	N8750A	97
Range 1190	36 fibers	N9046A	132
	48 fibers	N8804A	143

STORAGE, PACKAGING AND INSTALLATION

- The cables are delivered in a protective packaging that must be kept on until the end of the installation.
- The guidelines for storage, transportation and cable installation are defined in our ACOPTIC guide http://www.acome.fr/en/The-Group/Library/Cable-Storage-Transport-and-Installation-Rules

REFERENCE STANDARDS

Cables and fibers : IEC/EN 60793 and IEC/EN 60794-1.